

FASSATHERM[®]

System



PRODUCT CATALOGUE
FASSA UK Ltd

**FASSA
BORTOLO**



FASSATHERM®

INDEX

INTRODUCTION

The Fassa Bortolo Group	3
Our commercial and production sites	4-5
Research centre Fassa I-Lab	6
Challenge for a sustainable future	7
The three pillars of our mission	8
Acoustic insulation of the ETIC System	9
Innovation in quality	10-11
Certificates that demonstrate responsibility	12-13
BBA and KIWA BDA	14-15
Fassatherm® Wood	16-17
10 excellent reasons to choose Fassatherm	18-19
Fassa for the environment	20-21
A solution with multiple benefits	22-23
To guarantee comfort we've tripled our efforts	24-25

BASE SYSTEM

26-27

FASSATHERM CLASSIC

28-37

IMPACT CLASSIC	30-31
MECHANICAL CLASSIC	32-33
BASIC CLASSIC	34-35
FRAME CLASSIC	36-37

FASSATHERM PLUS

38-45

MINERAL FIRE PLUS	40-41
FRAME PLUS	42-43
MECHANICAL PLUS	44-45

FASSATHERM BRICK

46-55

MECHANICAL CLASSIC BRICK	48-49
FRAME CLASSIC BRICK	50-51
MECHANICAL PLUS BRICK	52-53
FRAME PLUS BRICK	54-55

ADHESIVES AND BASE COATS

56-63

ECO-LIGHT 950	59
AL 88	60
A 96	61
FLEXYTHERM 11	62
BASECOLL MONO	63

INSULATION PANELS

64-67

EPS WHITE & GREY	67
MINERAL WOOL	67

FIXING ELEMENTS AND FINISHES

68-85

MOUNTING ELEMENTS	70
FIXING ELEMENTS	71-76
REINFORCING MESH	77
COMPLEMENTARY ACCESSORIES	78-83
MECHANICAL SYSTEM	84
PROTECTIVE FINISHES	85-91
POINTING MORTARS	92
FASSA BRICKFIX	93
BRICK SLIPS	93

FASSATHERM® ETIC SYSTEM APPLICATION MANUAL

94

FASSA BORTOLO

OUR PATH: SOLID ROOTS IN THE PAST AND AN EYE ON THE FUTURE OF THE CONSTRUCTION INDUSTRY.

The history of the Fassa Bortolo Group began in 1710, the year in which the presence of a family member in the building industry was first recorded.

It was then in the early 1900s, in the Opificio Lazzaris in Spresiano (Treviso), that the current industrial vision originated: even today, this ancient factory, which has been completely restored, is home to our Management Centre, the privileged place from which all the Group's major companies are born.

From here, as an incubator of ideas to support the challenges of a competitive and constantly evolving sector, Fassa Bortolo has grown to become a leader in Italy with a complete range of innovative solutions for the building industry, 19 production plants in seven countries and more than 1700 employees, for a dynamic and widespread presence towards customers.

Over the last thirty years, the evolution of housing needs has stimulated the Group to expand its range of solutions, achieving important leadership positions also in the thermal insulation sector. With a wide and articulated range of products and solutions, we now meet the needs of operators in the sector at 360°.

Constant attention to the highest quality, guaranteed by rigorous controls at all stages of production and the efficiency of a prompt and professional service on construction sites, make Fassa Bortolo an expert and reliable partner in any new construction or renovation project.

Visit our site: fassabortolo.com



FASSA IN THE WORLD

BRAZIL PRODUCTION FACILITIES

**FASSA DO BRASIL INDÚSTRIA
E COMÉRCIO LTDA**

Matozinhos (Minas Gerais) 22



SPAIN PRODUCTION FACILITIES

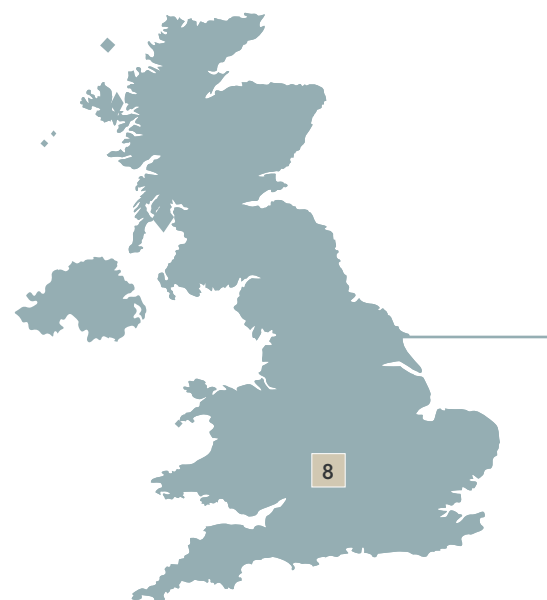
FASSA HISPANIA S.A.U.

20 Antas (Almería)

21 Tarancón (Cuenca)
- under construction -

COMMERCIAL BRANCH

9 Madrid



PORTUGAL PRODUCTION FACILITIES

FASSALUSA LDA

19 São Mamede (Batalha)

UNITED KINGDOM COMMERCIAL BRANCH

FASSA UK LTD

8 Tewkesbury

SWITZERLAND COMMERCIAL BRANCHES

FASSA SA

5 Mezzovico (Lugano)

6 Dietikon (Zurigo)

ITALY COMMERCIAL BRANCHES

Bolzano 1

Altopascio (Lucca) 2

Sassuolo (Modena) 3

Ciampino (Roma) 4

ITALY HEADQUARTERS

FASSA S.R.L.

Spresiano (Treviso) 1

PRODUCTION FACILITIES

Spresiano (Treviso) 1

Artena (Rome) 2

Mazzano (Brescia) 3

Ravenna 4

Moncalvo (Asti) 5

Bagnasco (Cuneo) 6

Molazzana (Lucca) 7

Popoli Terme (Pescara) 8

Sala al Barro (Lecco) 9

Montichiari (Brescia) 10

Bitonto (Bari) 11

Calliano (Asti) 12

Ceraino di Dolcè (Verona) 13

Villaga (Vicenza) 14

Ortona (Chieti) 15

Gaiarine (Treviso) 16

IMPA S.p.A. 17

San Pietro di Feletto (Treviso)

CALCE BARATTONI S.p.a. 18
Schio (Vicenza)

FRANCE COMMERCIAL BRANCH

FASSA FRANCE S.A.S.U.

7 Courtry

RESEARCH CENTRE FASSA I-LAB



CHALLENGE FOR A SUSTAINABLE FUTURE

The Fassa Bortolo Group is at your disposal to provide free support during the decision-making, design and construction phases with a staff of qualified technicians for a range of services aimed at both the designer and the building site professional.

Our company's responsible growth has come about as a result of significant research and development, aimed at bringing our range of solutions in line with the evolution of construction styles and making them more harmonious with the environmental sustainability required of industries such as ours. We have done this by investing in high technology, becoming a centre of research excellence at a European level.

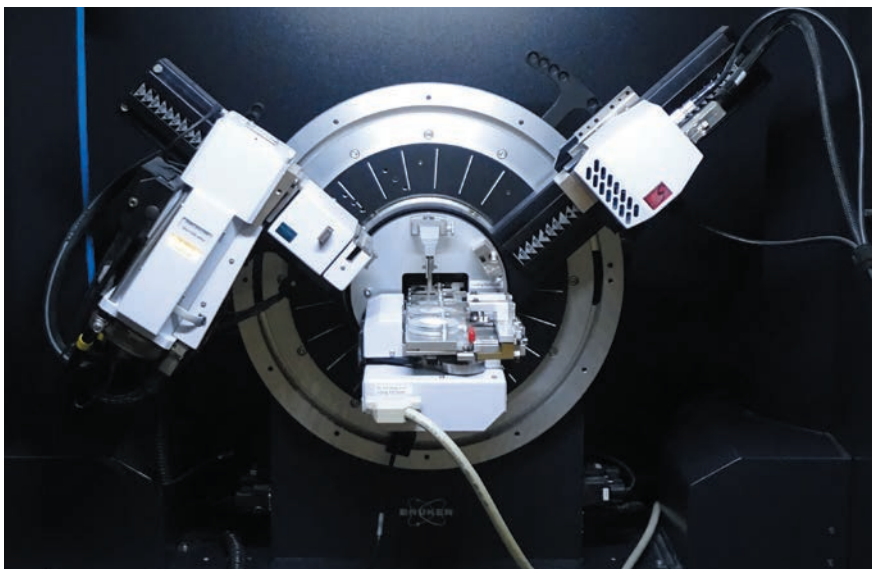
For more than 20 years we have been constantly expanding our in-house Research Centre, a fully-equipped, state-of-the-art laboratory, continuously updated to meet the latest regulatory and market requirements and the customers' needs for new solutions. Instruments for fluorescence and X-ray diffraction, electron microscopy and laser particle analysis are used to analyse materials at a microscopic level and identify their chemical-physical properties, so as to be able to select the formulations that best certify the quality of our products, and predict, using specific tests, their behaviour in a variety of environmental conditions.

In this strategic location, we process information from the market and translate it into solutions that are developed and certified before being marketed. The attention we dedicate every day to research has also been recognised by ISO 9001:2015 certification. Just another demonstration, for us, of the superior quality we offer the building sector in this area too.

We continually challenge the norms, thinking about the needs of the latest generations and the living styles of the future.

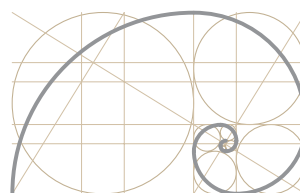
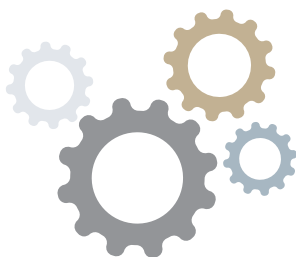
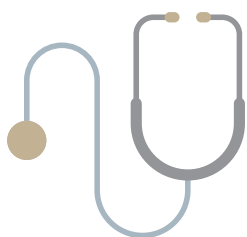


FASSA I-LAB
INNOVATION FOR BUILDING



THE THREE PILLARS OF OUR MISSION

DIAGNOSIS, TECHNOLOGY, AESTHETICS are the factors for achieving optimum, long-lasting results. This is the process that underlies the choice of the best solution for any building restoration work using the Fassatherm® external thermal insulation composite system.



DIAGNOSIS

Everything always starts with the right DIAGNOSIS, a fundamental activity in ensuring the final quality of the work, carried out by Fassa Bortolo specialists who, backed by significant experience, complete this process as the first stage of excellence in the service offered.

Diagnosis is essential for defining the type of cycle that is best suited to solve the specific needs: the products and processes selected are those that, based on in-depth knowledge of the technical issues arising on construction sites, can guarantee the expected optimum result.

TECHNOLOGY

TECHNOLOGY is fundamental when it comes to the performance of products and processes in which the functional, energy and aesthetic performance obtainable using the Fassatherm® external thermal insulation composite system protect the value of the investment over time.

For many years now, Fassa Bortolo has invested in specific research on the performance of the materials used for its Fassatherm® systems, and continuously develops its solutions based on changes in climate and the effects of time on the structures, pursuing the principle of qualitative excellence that has always been the company's hallmark.

AESTHETICS

AESTHETICS is the result of work done with guaranteed "professionalism", as in the Fassa Bortolo tradition.

ACOUSTIC INSULATION OF THE EXTERNAL THERMAL INSULATION COMPOSITE SYSTEM

Application of the External Thermal Insulation Composite System (ETICS) involves one layer of insulation and one finish layer. From an acoustic insulation point of view, the external thermal insulation composite system provides a two-mass system, consisting of the masonry and the layer of coating (reinforced base coat and finish), mechanically coupled by a spring represented by the insulating layer.

A mass-spring-mass system is thus created, the acoustic performance of which may vary depending on the two masses and the dynamic rigidity of the insulation:

- The masonry substrate is assumed to be rigid and continuous, and to have a much higher mass than the other two layers.
- The insulation that acts as the spring represents the material that needs to dampen the acoustic shock wave.
- The exterior coating represents the rigid element that distributes the mechanical energy that the sound wave exerts on the impact surface.

It should be specified that in most cases, on insulated façades the glazing and discontinuities present (such as ventilation vents, roller shutter boxes, etc.) affect overall acoustic insulation capacity. A properly applied external thermal insulation composite system improves the performance of opaque shells with poor or insufficient acoustic insulation properties.

MECHANICAL STABILITY

The FASSATHERM® External Thermal Insulation Composite System is suitable for both new buildings and for renovating existing buildings to improve energy performance. To achieve the best results, correct design and application of the System is essential.

To obtain the best results in terms of mechanical stability of the FASSATHERM® External Thermal Insulation Composite System, the substrate must be prepared to ensure durable adhesion between insulation panel and wall by bonding and fixing with anchors.

INNOVATION IN QUALITY

For us, innovation represents the main means by which we face both the present and the future, something we have always invested energy, skills and resources in, to bring improvements in our solutions and respond effectively to a demanding and very dynamic market.

Quality is how we find a solution and then “make” the product; it guides all of our research, analysis and development processes. Certifications for us are not simply a regulatory requirement, rather they are an important tool for managing our production processes and identifying our style of doing business.

PARTNERSHIPS THAT MAKE THE DIFFERENCE

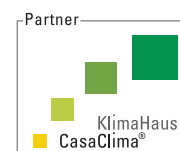
GREEN BUILDING COUNCIL

The Green Building Council of Italy (GBC) is an international non-profit association that aims to spread sustainable building culture, to raise awareness among institutions and the public about the impact that the design and construction of buildings have on peoples' lives, and to provide clear reference parameters for operators in the sector.



CASA CLIMA

Agenzia CasaClima, as an independent third-party certification body not involved in design or construction, protects the interests of those who rent or buy a home or dwelling. The CasaClima mark has been favourably received by the building sector since its inception, and has become a national catalyst for energy efficient, sustainable construction. Currently CasaClima is one of the leading energy certification marks in Europe. In addition to CasaClima certification, CasaClima plaques are also provided to enhance a property's value. This plaque has become a symbol of comfort and energy efficiency. Only those who pass all the tests and ensure compliance with the CasaClima standard receive this symbol of high quality. It should be stressed that the CasaClima certification system guarantees competence and independence.



SYMBOLA

This is the Italian Quality Foundation, a body that brings together entities with different experiences, such as Fassa Bortolo, yet all sharing in common attention to quality in the field.



ISO 9001 LABORATORY

Certifies the research work conducted in the Fassa ILab, where increasingly advanced formulations and technologies are developed.





CERTIFICATES THAT DEMONSTRATE RESPONSIBILITY

BRITISH BOARD OF AGRÉMENT (BBA)

The BBA has certified our FASSACOUCHE as well as our FASSATHERM® External Wall Insulation System on masonry: the latter was a necessary requirement to extend the offering of the FASSATHERM®, already with European Technical Approval (ETA), specifically to the British market.

KIWA BDA AGRÉMENT

KIWA has certified the FASSATHERM® External Wall Insulation System on steel frame structure and the “FASSAREND” system with A96 on a cement based render carrier board, for installation on external timber framed or solid walls. The KIWA BDA Agrément has received the NHBC third party acceptance for the UK market.



EUROPEAN TECHNICAL APPROVAL (ETA) AND SAFETY IN ALL COMPONENTS

From insulation to adhesive/base coat, anchors and reinforcing bars, all elements in the FASSATHERM® External Thermal Insulation Composite System are submitted to the strictest controls possible. The FASSATHERM® External Thermal Insulation Composite System has obtained European Technical Approval (ETA) that attests its technical suitability for thermal insulation applications.



CONSTRUCTION PRODUCTS REGULATION CPR 305/2011 – CE MARKING AND DOP

All Fassa products comply with EC standards and regulations, satisfy all the performance requisites for building products (CPR 305/2011) and bear CE and DoP marking. The DoPs (Declarations of Performance) for Fassa Bortolo and Gypsotech products can be downloaded from our website www.fassabortolo.com. All technical documentation bears special logos highlighting possession of these requisites, while others confirm compliance to the criteria and classification methods specified in European standards and regulations.



GEV EMICODE

Voluntary mark certifying the emission of Volatile and Semi-Volatile Organic Compounds (VOC and SVOC) issued by GEV (the Association for the Control of Emissions in Products for Floor Installation, Adhesives and Building Materials), applied to the products in the System for Laying Floor and Wall Coverings. Following stringent tests, the very low emissions of Fassa products earned them EC1Plus certification.



INDOOR AIR QUALITY

All products in the Fassa Bortolo Paint System respect the parameters established by European Union regulations and standards aimed at limiting the emission of organic compounds. They therefore comply with the provisions of Italian Legislative Decree no. 161 of 27/03/2006 (implementing Directive 2004/42/EC), identifying the maximum content of Volatile Organic Compounds (VOCs) in paints and paste coatings.



FRENCH LABEL - ETIQUETAGE SANITAIRE

Classification and labelling system applied to emissions of Volatile Organic Compounds (VOCs) from construction and decoration products and indoor finishes, required for the French market.



QB CERTIFICATION

This certification classifies the performance of tile cements and adhesives and the implementation and application of production control system capable of ensuring constant product quality.



BBA (BRITISH BOARD OF AGRÉMENT) AND KIWA BDA



BBA and KIWA BDA Agrément®

The British Board of Agrément (BBA) and Kiwa Building Products are approval bodies providing the BBA Agrément® and the KIWA BDA Agrément® respectively for building products and systems destined for the UK construction market.

These 3rd party certifications granted to our FASSATHERM® systems guarantee that the products have been rigorously assessed through laboratory testing, on-site evaluations and inspections of production, comply with Building Regulations and will last for a set period of time.

Being KIWA and BBA fully independent bodies, our customers have the proof not only from Fassa but also from a 3rd party that our products comply with the relevant standards in the building sector.

CERTIFICATIONS INCLUDE:

- Factors relating to compliance with Building Regulations where applicable;
- Factors relating to additional non-regulatory information where applicable;
- Independently verified technical specification;
- Assessment criteria and technical investigations;
- Design considerations;
- Installation guidance;
- Regular surveillance of production;
- Formal three-yearly review.



FASSATHERM® WOOD

To date, ETA certificates issued to the FASSATHERM® External Thermal Insulation Composite System are based on European guideline ETAG 004, which is equivalent to a product standard for the tested system. As currently reported on the ETA certificates, the ETAG 004 guideline specifies that the system is designed to be installed on traditional substrates such as masonry (brick, concrete, stone, etc.), cast concrete or precast panels. Thanks to a collaboration with Fassa at the forefront, the new EAD guideline has been defined for External Thermal Insulation Composite System on buildings with timber frames. This new guideline defines the initial type test methods for the components, as well as defining production control.

The **FASSATHERM® WOOD** System has been tested with EPS 100 and MINERAL WOOL panels, fixed using special anchors and additional adhesive. **This new ETA certification applies to several types of timber frame structures: wood panels, cement panels and similar products.** The certification also includes all of the necessary accessories for correct installation.

FASSATHERM® WOOD CONTRIBUTES TO IMPROVING THE ENERGY PERFORMANCE OF THE BUILDING ENVELOPE, PROVIDING BETTER PROTECTION AGAINST THE ELEMENTS. THE REQUIREMENTS OF THE NEW ETA ARE BASED ON AN ASSUMED LIFESPAN OF AT LEAST 25 YEARS.





10

EXCELLENT REASONS TO CHOOSE FASSATHERM® EXTERNAL THERMAL INSULATION COMPOSITE SYSTEM

1

Thermal insulation on
external vertical walls made
using different materials

2

No thermal bridges
on the façade

3

Management of thermal
bridges with increases in
inside surface temperature

4

Higher inside surface
temperature of perimeter walls

5

Energy benefits in
winter and summer





8

6

9

10

19

FASSA FOR THE ENVIRONMENT



40% of CO₂ and fine dust emissions come from homes.

Our commitment is to supply insulation systems made from advanced, eco-compatible materials, which improve the quality of life for people and at the same time reduce harmful emissions into the environment.



FASSATHERM®

A SOLUTION WITH MULTIPLE BENEFITS



1 WELL-BEING

It protects the wall from temperature variations, bringing benefits both in winter and summer and ensuring better indoor comfort.



2 PROTECTION & DURABILITY

The external thermal insulation composite system offers your home extra protection.



3 FOR NEW BUILDINGS

The best system to comply with the regulations in force.



4 FOR EXISTING BUILDINGS

The solution to enhance existing buildings and improve indoor comfort.

Fassatherm® is the Complete Thermal Insulation System.
Different solutions to meet multiple performance requirements.



5

EFFICIENCY & SAVINGS

Cost savings for heating and cooling the rooms.



6

RESPECT FOR THE ENVIRONMENT

**Limiting energy consumption
reduces CO₂ emissions.**

*The insurance applies exclusively to work carried out in the territory of the Italian state, the Vatican City, the Republic of San Marino, the member states of the European Union and Switzerland.

TO GUARANTEE COMFORT WE'VE TRIPLD OUR EFFORTS



FASSATHERM[®] CLASSIC

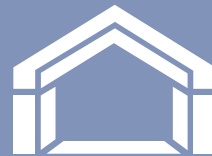
A basic system that interprets
the most common insulation
standards

Solutions for EWI on masonry
structures*:

IMPACT CLASSIC BASIC CLASSIC

Solutions for EWI on steel frame
structures:

MECHANICAL CLASSIC FRAME CLASSIC



FASSATHERM[®] PLUS

A more advanced system, for
greater protection

Solutions for EWI on masonry
structures*:

MINERAL FIRE PLUS

Solutions for EWI on steel frame
structures:

FRAME PLUS MECHANICAL PLUS

BASESYSTEM

The **FASSATHERM® External Thermal Insulation Composite System** is the safest choice in terms of efficiency, savings, and respect for the environment: qualities that have always distinguished Fassa Bortolo's construction solutions. Designed with the awareness that buildings are not all the same, as well as to meet the needs of those who live or work in such buildings, FASSATHERM® is the exclusive and complete External Thermal Insulation Composite System, with a range of products that has evolved in accordance with the tenets of eco-sustainable construction.



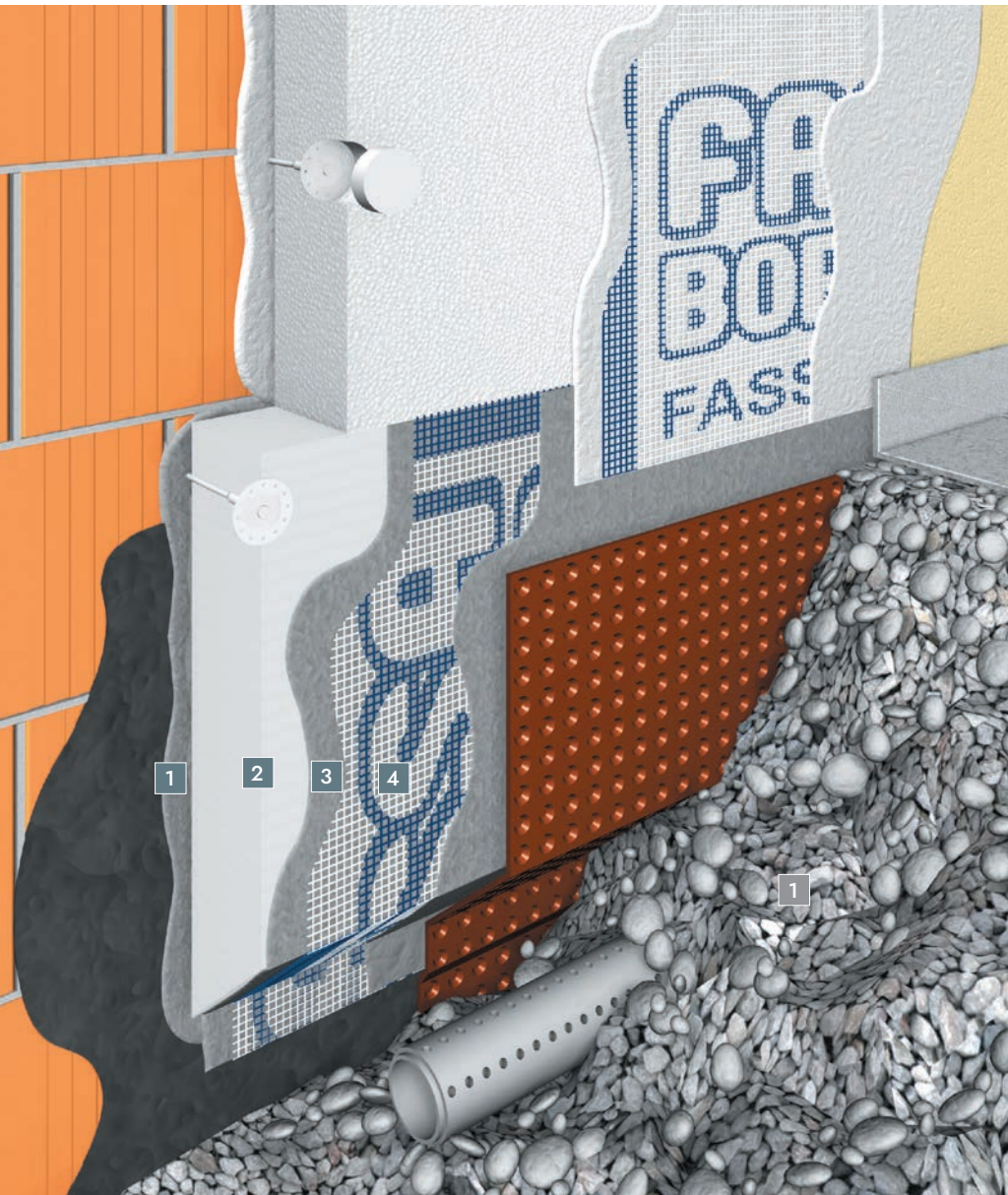
**FASSATHERM®
BRICK**

**Solutions that go beyond
classic ETICS**

**MECHANICAL
CLASSIC BRICK
FRAME CLASSIC
BRICK
MECHANICAL
PLUS BRICK
FRAME PLUS BRICK**

The perfect start to a perfectly-made external thermal insulation composite system. This consideration has resulted in two products: the base panel and the Basecoll Mono waterproofing adhesive/base coat. The combination of these ensures maximum sealing and protection at the base of all Fassatherm® external thermal insulation composite systems.

BASE SYSTEM



- 1 Adhesive
BASECOLL MONO
- 2 BASE PANEL
- 3 Base coat
BASECOLL MONO
- 4 Reinforcing mesh
FASSANET 160

BENEFITS

- Low water absorption
- Excellent waterproofing properties
- Excellent thermal conductivity
- Excellent stability and squareness of the moulded panels
- High compressive strength
- Easy to apply
- Available up to 200 mm thickness

A state-of-the-art External Thermal Insulation Composite System needs a perfect start, hence two specific products: the BASETHERM base panels and waterproofing adhesive/base coat. The combination of these two products ensures maximum seal and protection at the base of all FASSATHERM® External Thermal Insulation Composite Systems.

BASECOLL MONO	BASE PANEL	FASSANET 160
1 3  One-component waterproofing cementitious adhesive and base coat for BASETHERM polystyrene base panels. It features excellent adhesion and elasticity. Maximum seal and protection at the base of all FASSATHERM® External Thermal Insulation Composite Systems.	2  Moulded EPS base panel, classified in accordance with EN 13163. BASE PANEL features improved water absorption resistance, and is used exclusively for the construction of the base level of buildings, in the area in contact with water sprays, and below ground level.	4  160 g/m² alkali-resistant fibreglass reinforcing mesh, 4.15x3.8 mm mesh size. The mesh's technical features and the treatment applied ensure the system can withstand impact, as well as respond to the stress deriving from sudden changes in temperature and shrinkage, preventing the formation of cracks or fissures.





FASSATHERM® CLASSIC

A CLASSIC SYSTEM THAT INTERPRETS THE
MOST COMMON INSULATION STANDARDS.



IMPACT	The most resistant ETICS to hail and impact	30
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MECHANICAL	Ideal for quick installation on steel frame structures	32
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BASIC	The basic, reliable and efficient ETICS	34
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FRAME	Bonded EPS insulation system for steel frame structures	36
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IMPACT CLASSIC



- 1 Adhesive
A 96
- 2 Insulation panels
EPS WHITE AND GREY
- 3 Anchors according
to the substrate
- 4 Base coat
FLEXYTHERM 11
- 5 Reinforcing mesh
FASSANET 370
- 6 Primer
FX 526
- 7 Coating
RX 561

BENEFITS

- High impact resistance
- Impact resistance greater than 10 J
- Up to 6 times more impact-resistant than a conventional external thermal insulation composite system
- For high occupancy buildings
- Good thermal insulation
- Excellent protection against the elements
- High water repellency
- Easy to apply
- Base coat without cement and ready to use

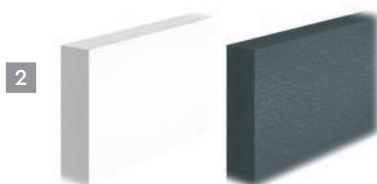
The most impact-resistant External Thermal Insulation Composite System, obtained through the combination of a strong adhesive and the most flexible base coat. Tests carried out at a certified laboratory have confirmed the system's ability to withstand impact forces that are six times higher than a conventional ETICS. Suitable for high occupancy buildings (gyms, schools, shopping centres, cinemas and hotels) and therefore more vulnerable to possible accidental impact.

A 96



White and grey fibre-reinforced cementitious adhesive, grading < 1.4 mm.

WHITE & GREY EPS PANELS



Expanded polystyrene thermal insulation panels.

FLEXYTHERM 11



Fibre-reinforced, cement-free base coat paste with high impact resistance and elasticity, grading < 1.2 mm.

3 ANCHORS ACCORDING TO THE SUBSTRATE

FASSANET 370



370 g/m² alkali-resistant fibreglass reinforcing mesh, 5x5.9 mm mesh size.

FX 526



Universal pigmented primer-undercoat.

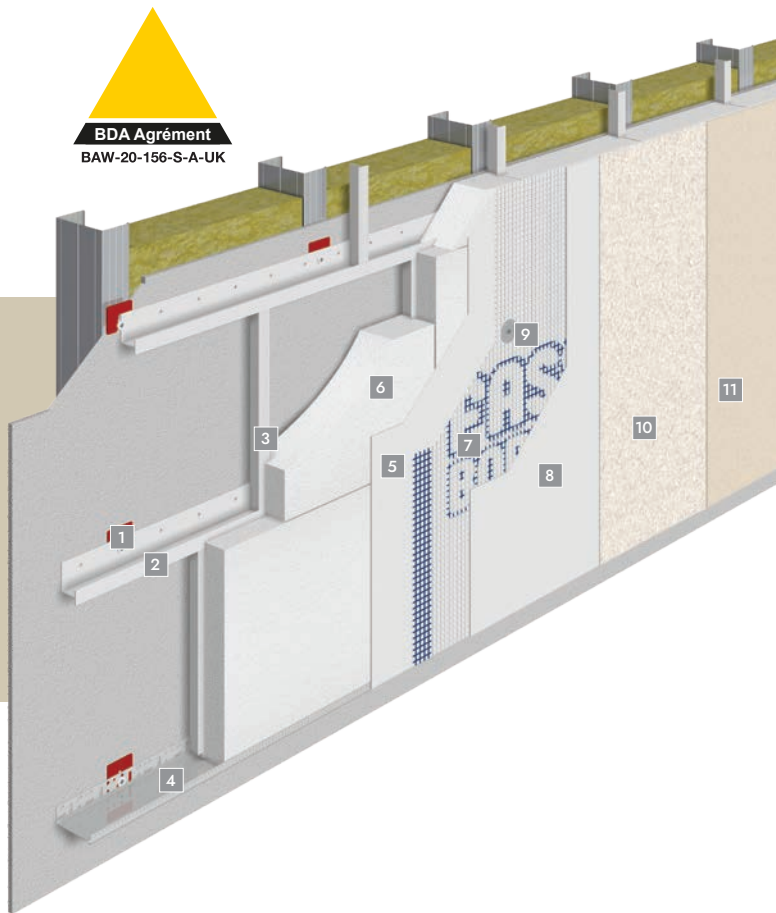
RX 561



Rustic acrylic-siloxane coating with high water repellency and broad-spectrum protection against growth of algae and mould species.



MECHANICAL CLASSIC



- 1 Shim
- 2 Rail
- 3 T-spline
- 4 Base track
- 5 Adhesive
A 96
- 6 **WHITE AND GREY
EPS PANELS**
for rail system
- 7 Reinforcing mesh
FASSANET 160
- 8 Base coat
A 96
- 9 Steel fixing
- 10 Primer
FX 526
- 11 Coating
RX 561

BENEFITS

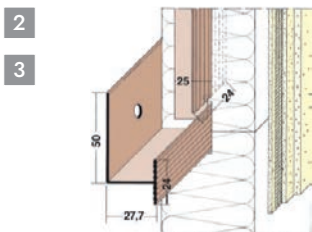
- Suitable where a drained cavity is required
- For steel frame structures
- Exceptional flexibility
- Good thermal insulation
- Excellent protection against the elements
- Optimum water repellency

The Mechanical Classic System is ideal when a quick installation on a steel frame structure is required, providing a drained cavity as well. A true thermal coating comprising guides and profiles, guaranteeing insulation against heat and cold, with tangible improvements in indoor comfort.

TRACK AND T-SPLINE FOR RAIL SYSTEM

COMPONENTS MECHANICAL SYSTEM*

1 see page 80



A96

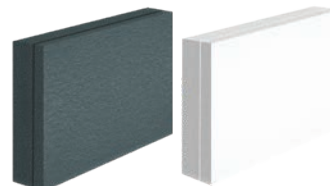
5
8



White and grey fibre-reinforced cementitious adhesive, grading < 1.4 mm.

WHITE & GREY EPS PANELS FOR RAIL SYSTEM

6



Expanded polystyrene thermal insulation panels.

*for other components see
pages 74-79

FASSANET 160

7



160 g/m² alkali-resistant fiberglass reinforcing mesh, 4.15x3.8 mm mesh size.

FX 526

10



Universal pigmented primer-undercoat.

RX 561

11



Rustic acrylic-siloxane coating with high water repellency and broad-spectrum protection against growth of algae and mould species.

THERMAL
INSULATION

REACTION
TO FIRE

VAPOUR
DIFFUSION

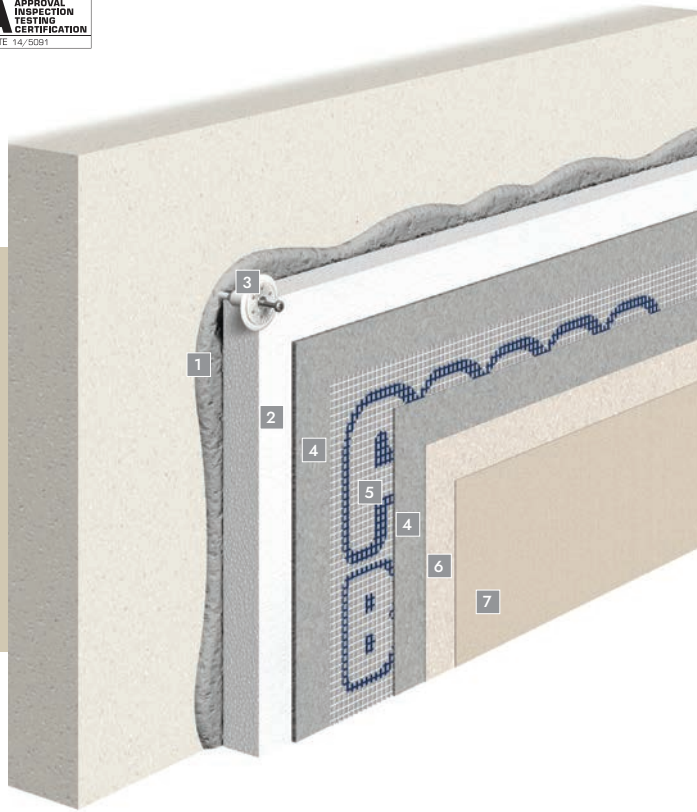
IMPACT
RESISTANCE

INCREASED
ENVELOPE
THERMAL INERTIA

ACOUSTIC
INSULATION

ENVIRONMENTAL
SUSTAINABILITY

BASIC CLASSIC



- 1 Adhesive
A 96
- 2 Insulation panels
EPS WHITE AND GREY
- 3 Anchors according
to the substrate
- 4 Base coat
A 96
- 5 Reinforcing mesh
FASSANET I60
Include additional steel
fixings if required
- 6 Primer
FX 526
- 7 Coating
RX 561

BENEFITS

- Optimum water repellency
- Good thermal insulation
- Excellent protection against the elements
- Reliability and durability
- Easy to apply
- Wide range of finish colours available

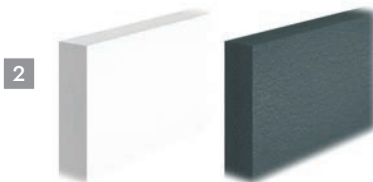
Reliable and efficient External Thermal Insulation Composite System, ideal for all applications that do not require specific performance features. It represents the starting point for modern and technically-advanced ETICS.

A 96



White and grey fibre-reinforced cementitious adhesive, grading < 1.4 mm.

WHITE & GREY EPS PANELS



Expanded polystyrene thermal insulation panels.

FASSANET 160



160 g/m² alkali-resistant fibreglass reinforcing mesh, 4.15x3.8 mm mesh size.

3 ANCHORS ACCORDING TO THE SUBSTRATE

FX 526



Universal pigmented primer-undercoat.

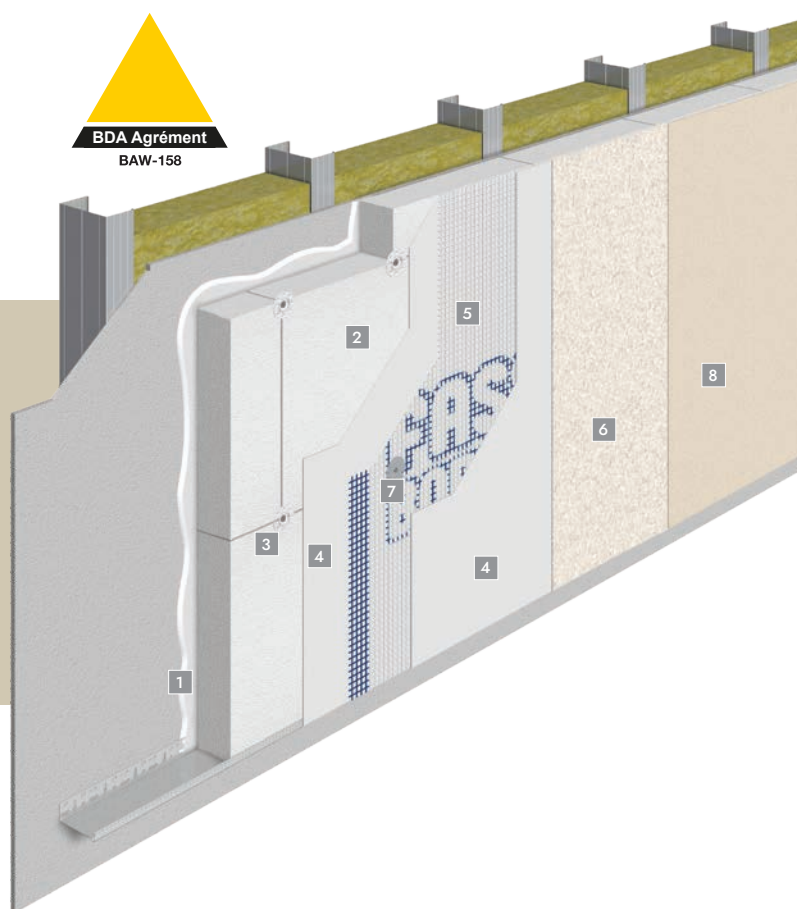
RX 561



Rustic acrylic-siloxane coating with high water repellency and broad-spectrum protection against growth of algae and mould species.



FRAME CLASSIC



- 1 Adhesive
A 96
- 2 Insulation panels
WHITE AND GREY EPS
- 3 Anchors according
to the substrate
- 4 Base coat
A 96
- 5 Reinforcing mesh
FASSANET I60
- 6 Primer
FX 526
- 7 Additional stainless
steel fixing
- 8 Coating
RX 561

BENEFITS

- Exceptional flexibility
- Good thermal insulation
- Excellent protection against the elements
- Optimum water repellency
- Easy application

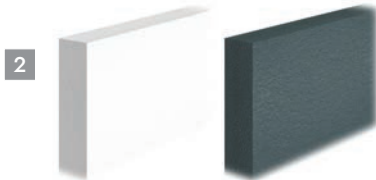
External thermal insulation composite system featuring excellent insulating performance and easy application, tested for installation on steel-frame buildings. The ideal solution to improve the energy performance of modern and advanced buildings.

A96

WHITE & GREY EPS PANELS



White and grey fibre-reinforced cementitious adhesive, grading < 1.4 mm.



Expanded polystyrene thermal insulation panels.

FASSANET 160

FX 526

RX 561



160 g/m² alkali-resistant fibreglass reinforcing mesh, 4.15x3.8 mm mesh size.



Universal pigmented primer-undercoat.



Rustic acrylic-siloxane coating with high water repellency and broad-spectrum protection against growth of algae and mould species.





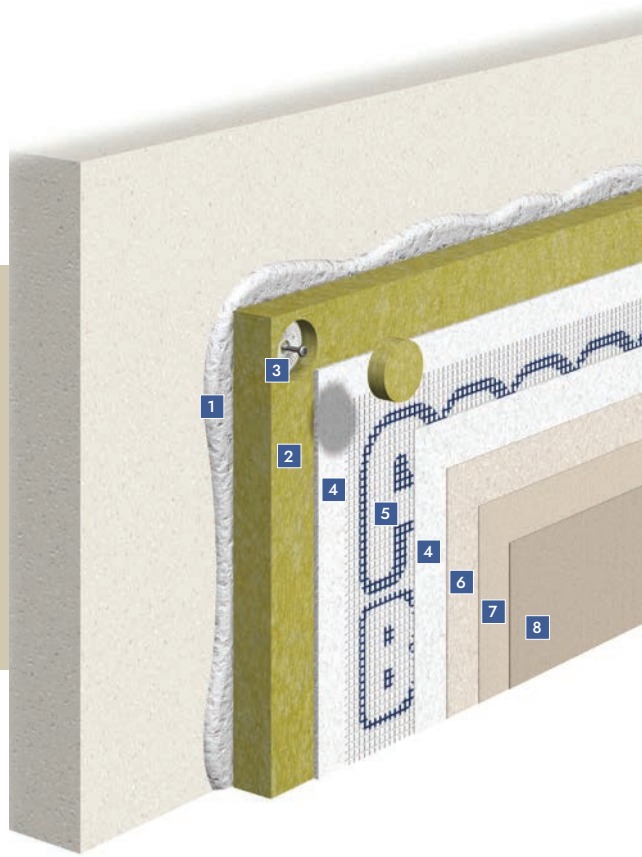
FASSATHERM® PLUS

A MORE ADVANCED SYSTEM, FOR GREATER PROTECTION.



MINERAL FIRE	Excellent performance for insulation on masonry and in the event of fire.	40-41
FRAME	Excellent performance for bonded insulation on steel frame structures and in the event of fire	42-43
MECHANICAL	Excellent performance for quick installation on steel frame structures and ideal in the event of fire	44-45

MINERAL FIRE PLUS



- 1 Adhesive
A 96
- 2 Insulation panels
MINERAL WOOL
- 3 Anchors according
to the substrate
- 4 Base coat
A 96
- 5 Reinforcing mesh
FASSANET I60
Include additional steel
fixings if required
- 6 Primer
FX 526
- 7 Coating
RSR 421
- 8 Protective finish
SKIN 432

BENEFITS

- Excellent thermal insulation in winter and summer
- Fire protection
- System fire classification: A2-s1-d0
- Acoustic insulation properties
- Increased thermal wave phase shift
- Optimum water repellency
- Mineral and breathable
- High water vapour permeability
- Excellent protection against the weather

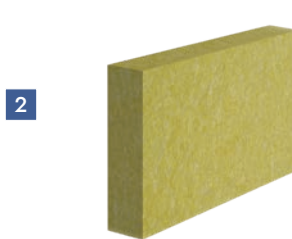
The External Thermal Insulation Composite System with mineral insulation panels manufactured by melting and spinning stone materials, featuring excellent thermal and acoustic insulation and fire protection performance. The high breathability and density of the insulation panels improve envelope energy performance in both winter and summer. The system is ideal for meeting ever increasing performance needs, due to the quality of the individual components used. This solution is recommended for use in high occupancy places, such as public buildings in general, as it features excellent behaviour in the event of fire.

A 96



White and grey fibre-reinforced cementitious adhesive, grading < 1.4 mm.

MINERAL WOOL



MINERAL WOOL thermal insulation panels, manufactured by melting and spinning stone materials

FASSANET 160



160 g/m² alkali-resistant fibreglass reinforcing mesh, 4.15x3.8 mm mesh size.

3 ANCHORS ACCORDING TO THE SUBSTRATE

FX 526



Universal pigmented primer-undercoat.

RSR 421



Rustic silicone resin coating featuring high breathability and water repellency, and excellent weather resistance. The product features broad-spectrum protection against growth of algae and mould species.

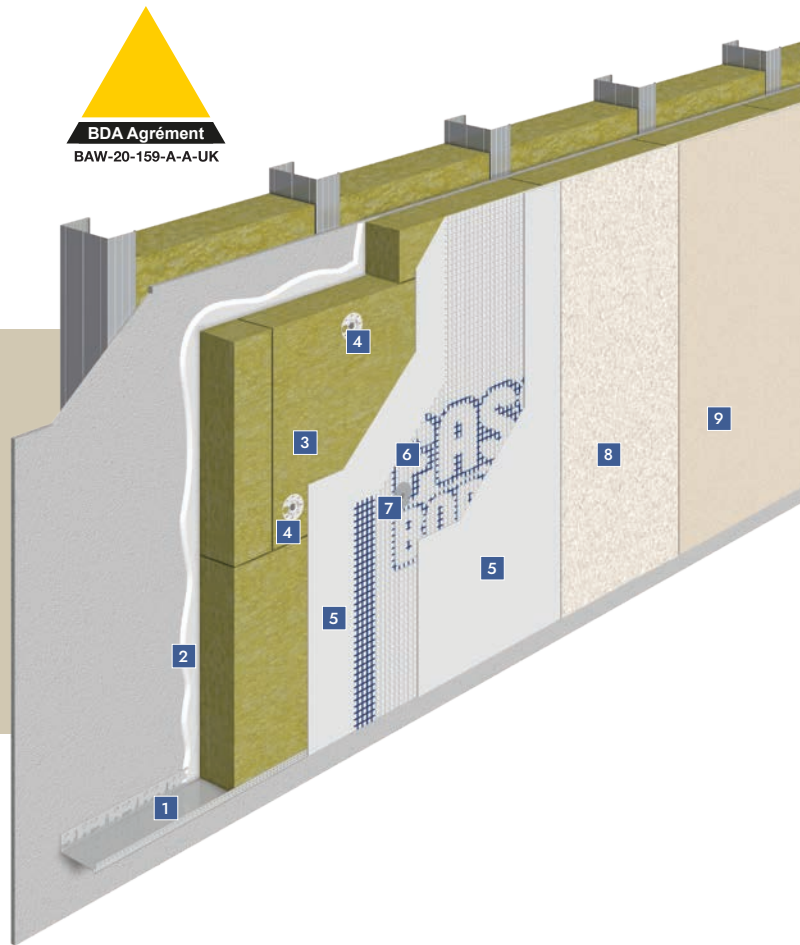
SKIN 432



Pure siloxane resin protective finish with excellent breathability and water repellency. Its application limits dirt build-up on the surfaces by reducing the natural cavities due to the grading of the thick coating.



FRAME PLUS



- 1 Base track
- 2 Adhesive
A 96
- 3 Insulation panels
MINERAL WOOL
- 4 Anchors according
to the substrate
- 5 Base coat
A 96
- 6 Reinforcing mesh
FASSANET 160
- 7 Additional stainless
steel fixing
- 8 Primer
FX 526
- 9 Coating
RX 561

BENEFITS

- Ideal bonded solution for steel frame structures
- Excellent thermal insulation in winter and summer
- Fire protection
- System fire classification: A2-s1-d0
- Acoustic insulation properties
- Increased thermal wave phase shift
- Optimum water repellency
- Mineral and breathable
- High water vapour permeability
- Excellent protection against the weather

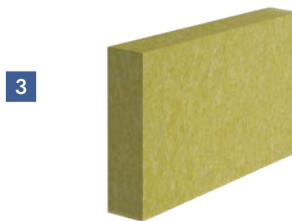
The External Thermal Insulation Composite System with mineral insulation panels manufactured by melting and spinning stone materials, featuring excellent thermal and acoustic insulation and fire protection performance. The high breathability and density of the insulation panels improve envelope energy performance in both winter and summer. This system is ideal for steel frame structures providing fire protection, sound insulation and increased thermal wave phase shift.

A 96



White and grey fibre-reinforced cementitious adhesive, grading < 1.4 mm.

MINERAL WOOL



MINERAL WOOL thermal insulation panels, manufactured by melting and spinning stone materials

FASSANET 160



160 g/m² alkali-resistant fibreglass reinforcing mesh, 4.15x3.8 mm mesh size.

4 ANCHORS ACCORDING TO THE SUBSTRATE

FX 526



Universal pigmented primer-undercoat.

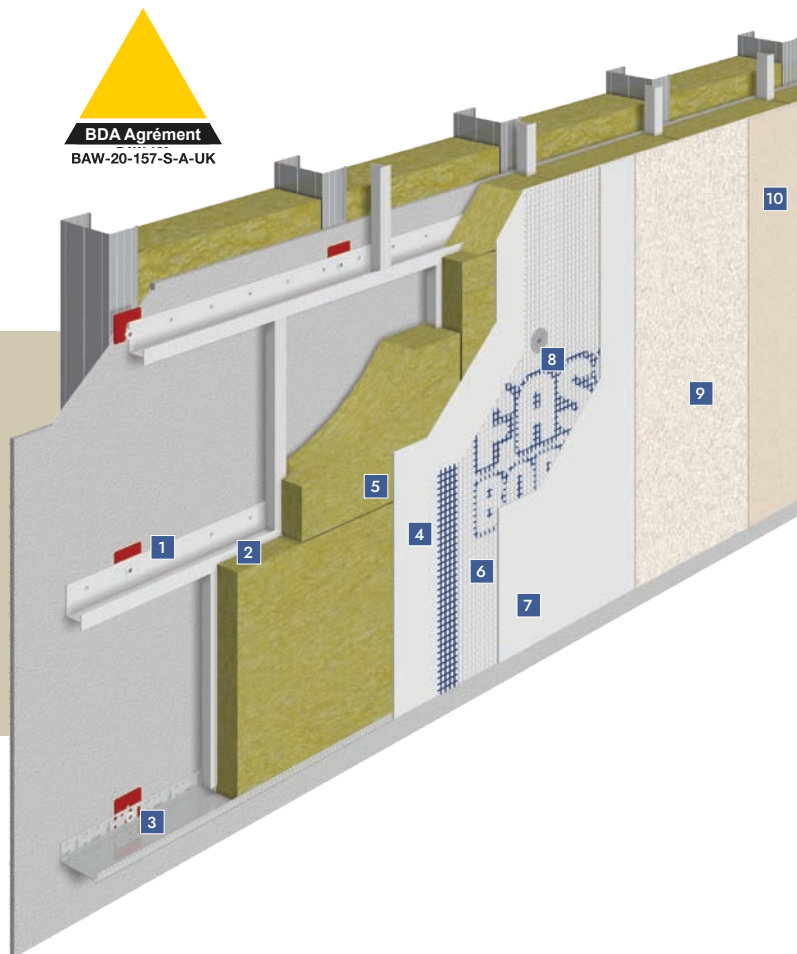
RX 561



Rustic acrylic-siloxane coating with high water repellency and broad-spectrum protection against growth of algae and mould species.



MECHANICAL PLUS



- 1 Shim
- 2 Rail
- 3 Track
- 4 Adhesive
A 96
- 5 Insulation panels
MINERAL WOOL
- 6 Reinforcing mesh
FASSANET 160
- 7 Base coat
A 96
- 8 Mechanical fixing
according to the substrate
- 9 Primer
FX 526
- 10 Coating
RX 561

BENEFITS

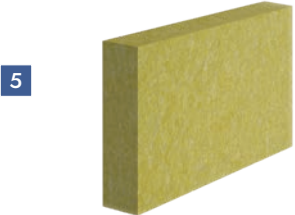
- Excellent thermal insulation in winter and summer
- Fire protection
- System fire classification: A2-s1-d0
- Acoustic insulation properties
- Increased thermal wave phase shift
- Optimum water repellency
- Mineral and breathable
- High water vapour permeability
- Excellent protection against the weather
- Easy to apply
- Quick installation on steel frame structures

The External Thermal Insulation Composite System with mineral insulation panels manufactured by melting and spinning stone materials, featuring excellent thermal and acoustic insulation and fire protection performance. The high breathability and density of the insulation panels improve envelope energy performance in both winter and summer. This system is ideal for steel frame structures providing fire protection, sound insulation and increased thermal wave phase shift.

A 96	MINERAL WOOL	FASSANET 160
-------------	---------------------	---------------------



White and grey fibre-reinforced cementitious adhesive, grading < 1.4 mm.



MINERAL WOOL thermal insulation panels, manufactured by melting and spinning stone materials



160 g/m² alkali-resistant fibreglass reinforcing mesh, 4.15x3.8 mm mesh size.

3 ANCHORS ACCORDING TO THE SUBSTRATE

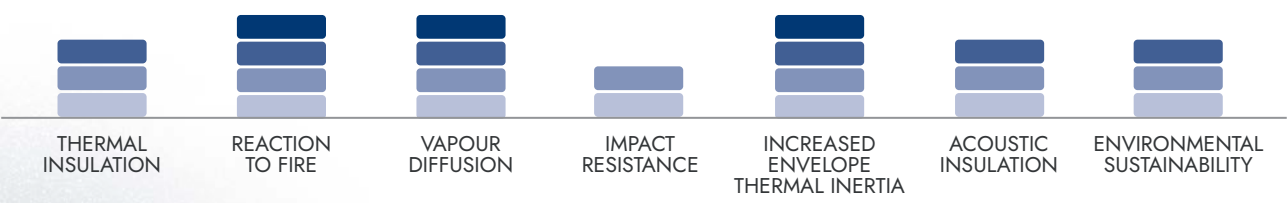
FX 526	RX 561
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Universal pigmented primer-undercoat.



Rustic acrylic-siloxane coating with high water repellency and broad-spectrum protection against growth of algae and mould species.





FASSATHERM[®] BRICK

SOLUTIONS THAT GO BEYOND CLASSIC ETICS.





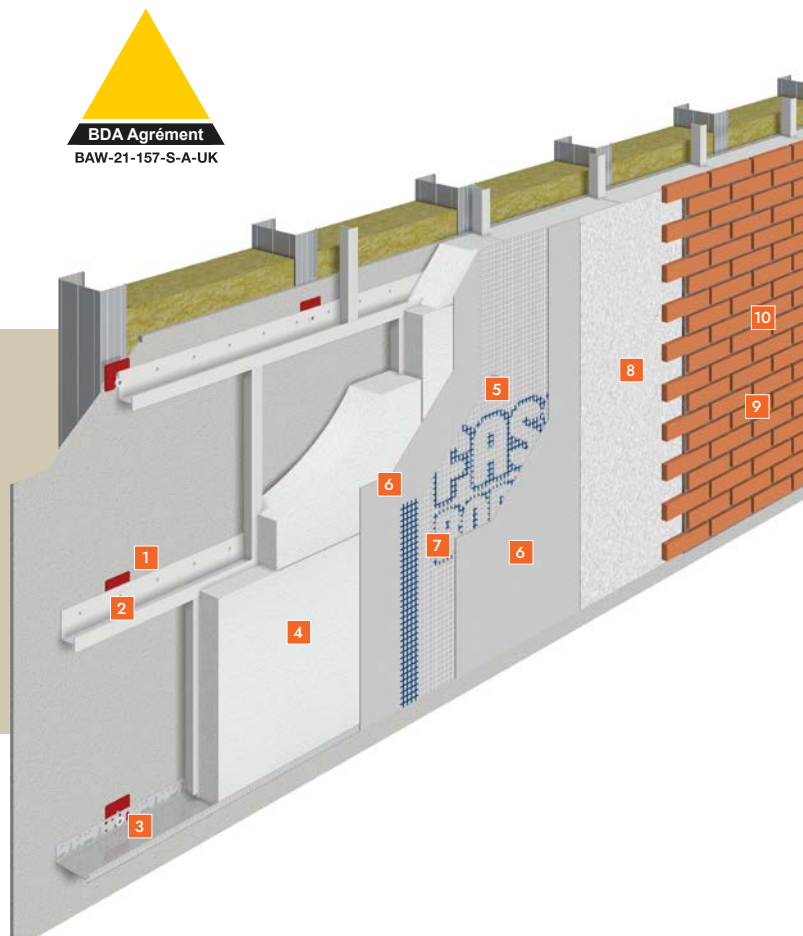
MECHANICAL CLASSIC Brick slips on mechanical EPS external wall insulation for steel frame structures 48-49

FRAME CLASSIC Brick slips on bonded EPS external wall insulation for steel frame structures 50-51

MECHANICAL PLUS Brick slips on mechanical MW external wall insulation for steel frame structures 52-53

FRAME PLUS Brick slips on bonded MW external wall insulation for steel frame structures 54-55

MECHANICAL CLASSIC BRICK



- 1 Shim
- 2 Rail
- 3 Track
- 4 **WHITE AND GREY EPS PANELS**
for rail system
- 5 Anchors according
to the substrate
- 6 Base coat
A 96
- 7 Reinforcing mesh
FASSANET I60
Include additional steel
fixings if required
- 8 Adhesive
FASSA BRICKFIX
- 9 **BRICK SLIPS**
- 10 Pointing mortar
MV 40 or MB 60

BENEFITS

- Suitable where a drained cavity is required
- For aligning substrate
- Exceptional flexibility
- Good thermal insulation
- Excellent protection against the elements
- High technical and aesthetic performance
- Quick and easy to apply
- High aesthetic performance
- Different brick colour shades available
- Good impact resistance

The Mechanical Classic System is ideal when a quick installation on a steel frame structure is required, providing a drained cavity as well. A true EPS thermal coating comprising guides and profiles, guaranteeing insulation against heat and cold, with tangible improvements in indoor comfort. The "brick slips" cladding system on thermally insulated external walls has been designed to recreate the typical texture of traditional homes, without sacrificing the comfort of an external thermal insulation composite system. The brick slips, available in different colour shades, can be easily applied using the specific FASSA BRICKFIX adhesive, and are also suitable for application on mechanical external thermal insulation composite systems.

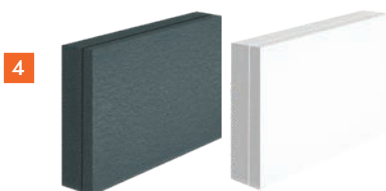
A 96



6

White and grey fibre-reinforced cementitious adhesive, grading < 1.4 mm.

WHITE & GREY EPS PANELS FOR RAIL SYSTEM



4

Expanded polystyrene thermal insulation panels.

FASSANET 160



7

160 g/m² alkali-resistant fibreglass reinforcing mesh, 4.15x3.8 mm mesh size.

1 2 3 5

ADDITIONAL ACCESSORIES

COMPONENTS MECHANICAL SYSTEM* see page 80

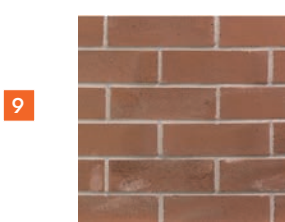
FASSA BRICKFIX



8

One-component white adhesive with good elasticity.

BRICK SLIPS



9

MV 40 - MB 60



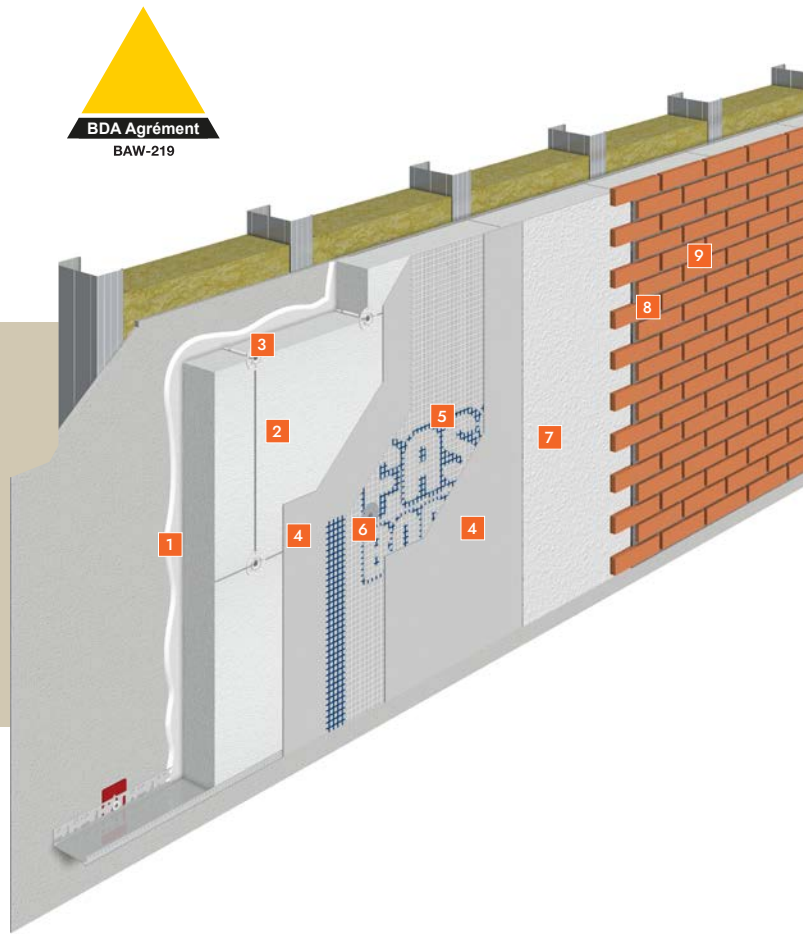
10

Pointing mortars.

*for other components see pages 74-79



FRAME CLASSIC BRICK



- 1 Adhesive
A 96
- 2 EPS INSULATION PANELS
- 3 Anchors according
to the substrate
- 4 Base coat
A 96
- 5 Reinforcing mesh
FASSANET 160
- 6 Steel fixing through
the mesh
- 7 Adhesive
FASSA BRICKFIX
- 8 BRICK SLIPS
- 9 Pointing mortar
MV 40 OR MB 60

BENEFITS

- Ideal bonded solution for steel frame structures
- High aesthetic performance
- Different brick colour shades available
- Good impact resistance
- Optimum water repellency
- Good thermal insulation
- Excellent protection against the elements
- Reliability and durability

The Frame Classic System is the ideal solution to improve the energy performance of modern and advanced buildings. An EWI system with EPS featuring excellent insulating performance and easy application, tested for installation on steel-frame buildings. The “brick slips” cladding system on thermally insulated external walls has been designed to recreate the typical texture of traditional homes, without sacrificing the comfort of an external thermal insulation composite system. The brick slips, available in different colour shades, can be easily applied using the specific FASSA BRICKFIX adhesive, and are also suitable for application on bonded external thermal insulation composite systems.

A 96

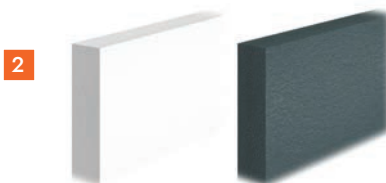


1

4

White and grey fibre-reinforced cementitious adhesive, grading < 1.4 mm.

WHITE & GREY EPS PANELS



2

Expanded polystyrene thermal insulation panels.

FASSANET 160



5

160 g/m² alkali-resistant fibreglass reinforcing mesh, 4.15x3.8 mm mesh size.

3 ANCHORS ACCORDING TO THE SUBSTRATE

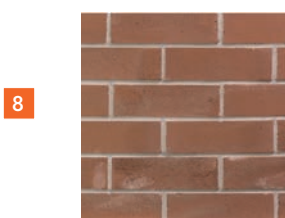
FASSA BRICKFIX



7

One-component white adhesive with good elasticity.

BRICK SLIPS



8

MV 40 - MB 60



9

Pointing mortars.

THERMAL
INSULATION

REACTION
TO FIRE

VAPOUR
DIFFUSION

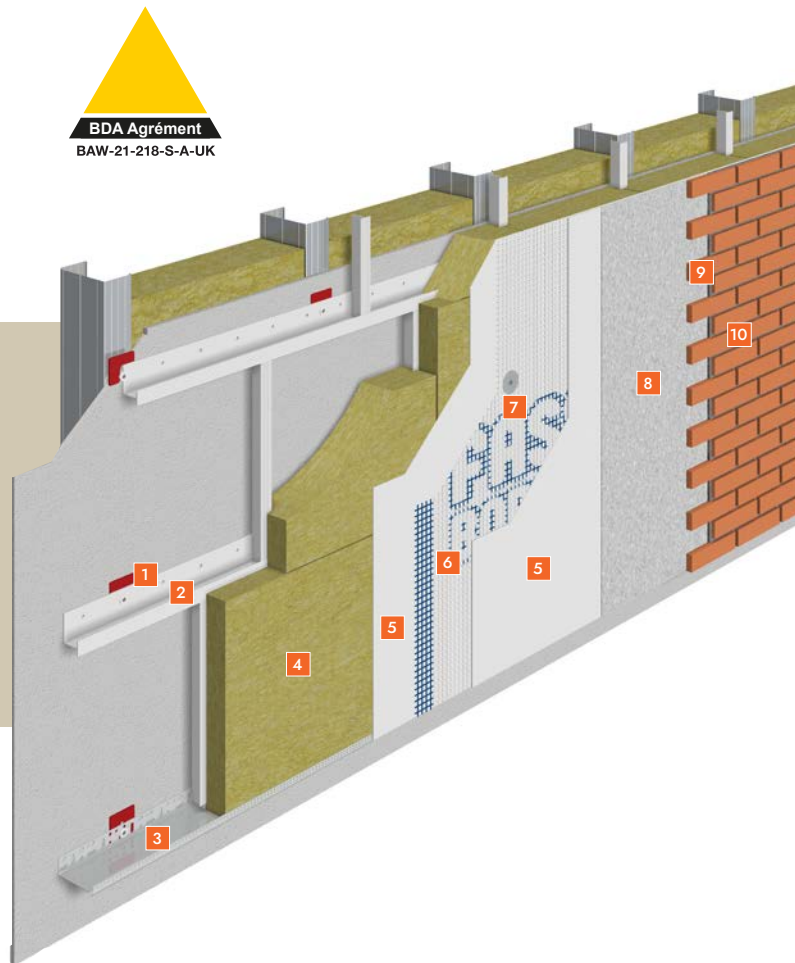
IMPACT
RESISTANCE

INCREASED
ENVELOPE
THERMAL INERTIA

ACOUSTIC
INSULATION

ENVIRONMENTAL
SUSTAINABILITY

MECHANICAL PLUS BRICK



- 1 Shim
- 2 Rail
- 3 Track
- 4 Insulation panels
MINERAL WOOL
- 5 Adhesive
A 96
- 6 Reinforcing mesh
FASSANET I60
- 7 Anchors according
to the substrate
- 8 Adhesive
FASSA BRICKFIX
- 9 **BRICK SLIPS**
- 10 Pointing mortar
MV 40 or MB 60

BENEFITS

- Excellent thermal insulation in winter and summer
- Fire protection
- System fire classification: A2-s1-d0
- Acoustic insulation properties
- Increased thermal wave phase shift
- Optimum water repellency
- Mineral and breathable
- High water vapour permeability
- Excellent protection against the weather
- Easy to apply
- High aesthetic performance
- Different brick colour shades available
- Good impact resistance

The Mechanical Classic System is ideal when a quick installation on a steel frame structure is required, providing a drained cavity as well. A true EPS thermal coating comprising guides and profiles, guaranteeing insulation against heat and cold, with tangible improvements in indoor comfort. The “brick slips” cladding system on thermally insulated external walls has been designed to recreate the typical texture of traditional homes, without sacrificing the comfort of an external thermal insulation composite system. The brick slips, available in different colour shades, can be easily applied using the specific FASSA BRICKFIX adhesive, and are also suitable for application on mechanical external thermal insulation composite systems.

A 96

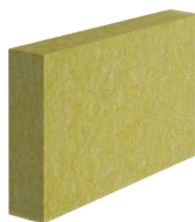
5



White and grey fibre-reinforced cementitious adhesive, grading < 1.4 mm.

MINERAL WOOL

4



MINERAL WOOL thermal insulation panels, manufactured by melting and spinning stone materials

FASSANET 160

6



160 g/m² alkali-resistant fibreglass reinforcing mesh, 4.15x3.8 mm mesh size.

7 ANCHORS ACCORDING TO THE SUBSTRATE

FASSA BRICKFIX

8



One-component white adhesive with good elasticity.

BRICK SLIPS

9



MV 40 - MB 60

10



Pointing mortars.

THERMAL
INSULATION

REACTION
TO FIRE

VAPOUR
DIFFUSION

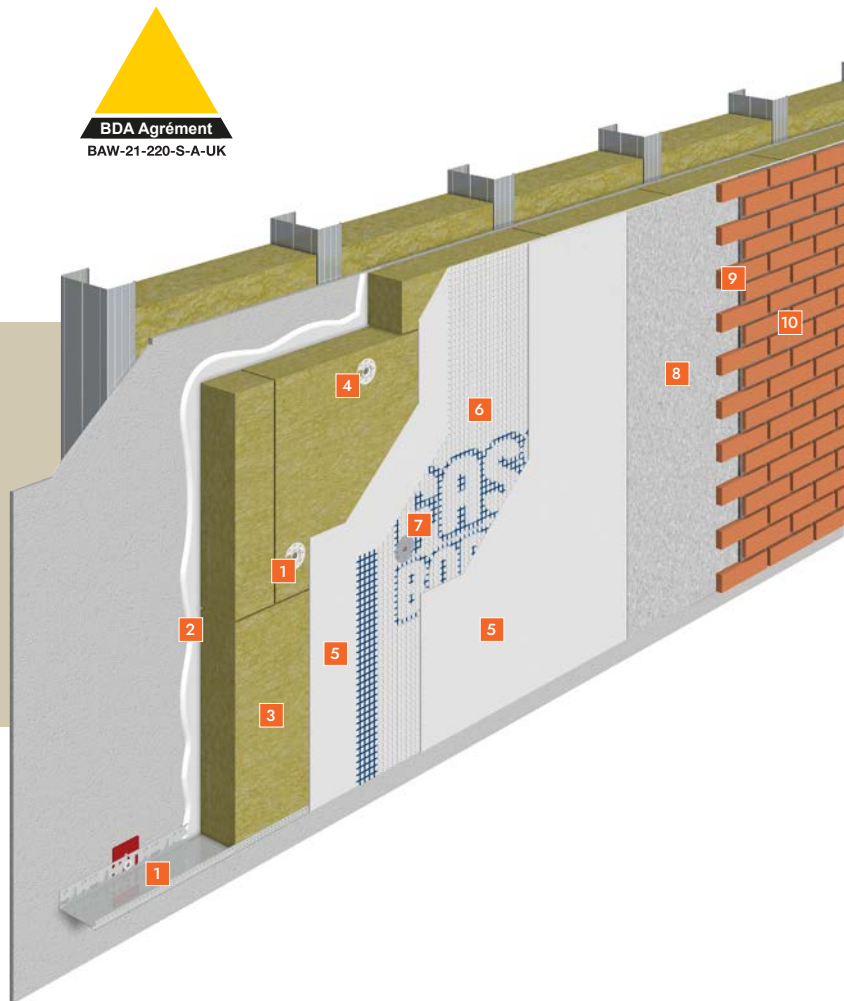
IMPACT
RESISTANCE

INCREASED
ENVELOPE
THERMAL INERTIA

ACOUSTIC
INSULATION

ENVIRONMENTAL
SUSTAINABILITY

FRAME PLUS BRICK



- 1 Track
- 2 Adhesive
A 96
- 3 Insulation panels
MINERAL WOOL INSULATION
- 4 Anchors according
to the substrate
- 5 Base coat
A 96
- 6 Reinforcing mesh
FASSANET I60
- 7 Additional stainless
steel fixing
- 8 Adhesive
FASSA BRICKFIX
- 9 **BRICK SLIPS**
- 10 Pointing mortar
MV 40 or MB 60

BENEFITS

- Ideal bonded solution for steel frame structures
- Excellent thermal insulation in winter and summer
- Fire protection
- System fire classification: A2-s1-d0
- Acoustic insulation properties
- Increased thermal wave phase shift
- Optimum water repellency
- Mineral and breathable
- High water vapour permeability
- Excellent protection against the weather
- High aesthetic performance
- Different brick colour shades available
- Good impact resistance

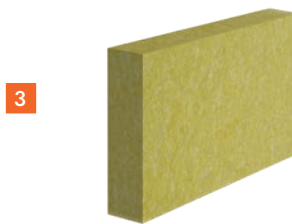
The Frame Plus System is ideal for steel frame structures providing fire protection, sound insulation and increased thermal wave phase shift. An EWI System with mineral wool insulation panels manufactured by melting and spinning stone materials, featuring excellent thermal and acoustic insulation and fire protection performance. The high breathability and density of the insulation panels improve envelope energy performance in both winter and summer. The “brick slips” cladding system on thermally insulated external walls has been designed to recreate the typical texture of traditional homes, without sacrificing the comfort of an external thermal insulation composite system. The brick slips, available in different colour shades, can be easily applied using the specific FASSA BRICKFIX adhesive, and are also suitable for application on bonded external thermal insulation composite systems.

A 96



White and grey fibre-reinforced cementitious adhesive, grading < 1.4 mm.

MINERAL WOOL



MINERAL WOOL thermal insulation panels, manufactured by melting and spinning stone materials

FASSANET 160



160 g/m² alkali-resistant fibreglass reinforcing mesh, 4.15x3.8 mm mesh size.

4 7 ANCHORS ACCORDING TO THE SUBSTRATE

FASSA BRICKFIX



One-component white adhesive with good elasticity.

BRICK SLIPS



MV 40 - MB 60



Pointing mortars.

THERMAL
INSULATION

REACTION
TO FIRE

VAPOUR
DIFFUSION

IMPACT
RESISTANCE

INCREASED
ENVELOPE
THERMAL INERTIA

ACOUSTIC
INSULATION

ENVIRONMENTAL
SUSTAINABILITY



FASSATHERM[®] SYSTEM

ADHESIVES AND BASE COATS.



ECO-LIGHT 950

59

AL 88

60

A 96

61

FLEXYTHERM 11

62

BASECOLL MONO

63

PRODUCTS: ADHESIVES AND BASE COATS

The quality of our adhesive/base coats products is controlled through accurate and constant tests carried out at our advanced research laboratories. The raw materials used are carefully selected and checked, so as to produce high-performance and reliable products. The products developed comply with UNI 998-1 and are combined with special aggregate to provide different performance characteristics.

Each adhesive is formulated and tested to develop and achieve the highest performance in terms of adhesion to the insulation panels, providing stability and strength to the FASSATHERM® External Thermal Insulation Composite System.

The main function of the adhesive is to create a solid bonding bridge between the substrate and the panel and counteract the forces acting parallel to the plane of the substrate. The panels are bonded by spreading the adhesive in two different ways:

- Full surface application
- Application in “beads and spots”

Once the panels have been bonded and fixed with anchors, the reinforced base coat is applied. The reinforced base coat consists of two layers of base coat embedded with alkaline-resistant fibreglass mesh. The reinforcing mesh has the function of ensuring the system can withstand knocks, as well as respond to the stress deriving from sudden changes in temperature and shrinkage, minimising the formation of cracks or fissures.



The reinforced base coat is created by first applying a thick layer of base coat and embedding the reinforcing mesh. When the first layer has dried, the second layer of base coat is applied. This ensures that the embedded mesh will be positioned correctly, that is, towards the surface (exterior) of the reinforced base coat.

Correct application of the reinforced base coat involves the use of all the accessories needed to ensure the system continuity and reliability in the most critical areas (horizontal and vertical edges, corners under balconies or cornices).

ECO-LIGHT 950



LIGHTWEIGHT NATURAL HYDRAULIC LIME



Lightweight fibre-reinforced cement adhesive base coat made from NHL 3.5 natural hydraulic lime for Fassatherm® systems.

Adhesive made from NHL 3.5 natural hydraulic lime, fibreglass, lightweight expanded glass aggregates, grading < 1.4 mm. ECO-LIGHT 950 complies with EN 998-1 and is classified GP-CSIII-W2.

It is used to bond and smooth over panels made of rock wool, calcium silicate or wood fibre in External Thermal Insulation Composite Systems, as well as to embed reinforcing meshes.

It ensures easier workability and at the same time keeps unchanged the breathability of the wall isolated with Fassatherm External Thermal Insulation Composite System.

- Lightened (950 kg/m³)
- High breathability
- Made from NHL 3.5 natural hydraulic lime
- Fibre reinforced
- Produced with recyclable and recycled materials
- Mineral
- Eco-friendly
- Specific for mineral and natural panels' systems
- Ideal for thick applications
- Excellent performance and workability
- Light and easy to apply

TECHNICAL DATA

SPECIFIC WEIGHT	950 kg/m ³
GRADING	< 1.4 mm
YIELD FOR BONDING	approx. 2.8-5.5 kg/m ²
YIELD AS BASE COAT	approx. 1 kg/m ² per mm in thickness
COEFF. OF THERMAL CONDUCTIVITY	λ = 0.31 W/m·K (tabulated value)
WATER VAPOUR DIFFUSION RESISTANCE FACTOR (EN 1015-19)	μ = 13 (measured value)
APPLICATION THICKNESS	5-10 mm
APPLICATION	By hand with metal trowel
SUPPLY	25 kg sacks

AL 88



LIGHTWEIGHT



White lightweight cement adhesive-base coat for Fassatherm® systems.

White cementitious adhesive and base coat, lightened with polystyrene for improved thermal performance, grading < 1.2 mm. AL 88 complies with EN 998-1 and is classified GP-CSII-W2; it can also be applied by machine. It is used to bond and smooth over EPS, mineral wool and calcium silicate hydrate insulation panels in external thermal insulation composite systems. It ensures easier workability and at the same time improves the thermal conductivity of the entire FASSATHERM® External Thermal Insulation Composite System. It is also used to apply thick reinforced base coats.

- Lightened (950 kg/m³)
- Improved thermal conductivity
- Grading 1.2 mm
- Can also be applied by machine
- Extra-white
- Also suggested for reinforced base coats
- Ideal for thick applications
- Excellent performance and workability
- Light and easy to apply
- Extended working time

TECHNICAL DATA

SPECIFIC WEIGHT	950 kg/m ³
GRADING	< 1.2 mm
YIELD FOR BONDING	approx. 2.8-5.5 kg/m ²
YIELD AS BASE COAT	approx. 1 kg/m ² per mm in thickness
COEFF. OF THERMAL CONDUCTIVITY	λ = 0.31 W/m·K (tabulated value)
APPLICATION THICKNESS	5-10 mm
APPLICATION	By hand with metal trowel or by machine
SUPPLY	25 kg sacks

A 96



GRADING < 1.4 MM



Grey and white fibre-reinforced cement adhesive-base coat for Fassatherm® systems.

Fibre-reinforced cementitious adhesive and base coat, grading < 1.4 mm, compliant with EN 998-1 and classified GP-CSIV-W2; it can also be applied by machine.

Used for bonding and smoothing over EPS and mineral wool panels. It ensures easy workability and offers excellent performance. The adhesive can also be used to apply medium-thickness reinforced base coats.

- Fibre-reinforced
- Grading 1.4 mm
- Can also be applied by machine
- White and grey
- Also suggested for reinforced base coats

TECHNICAL DATA

SPECIFIC WEIGHT	approx. 1,350 kg/m ³
GRADING	< 1.4 mm
YIELD FOR BONDING	approx. 3-6 kg/m ²
YIELD AS BASE COAT	approx. 1.5 kg/m ² per mm in thickness
COEFF. OF THERMAL CONDUCTIVITY	λ= 0.71 W/m·K (tabulated value)
THICKNESS FOR BASE-COATING POLYSTYRENE AND MINERAL-WOOL SURFACES	5-6 mm
APPLICATION	By hand with metal trowel or by machine
SUPPLY	25 kg sacks

FLEXYTHERM 11



Ready-to-use fibre-reinforced skim coat paste.

Fibre-reinforced, cement-free base coat paste with high elasticity, grading < 1.2 mm. It is used to apply reinforced base coats on EPS insulation panels. It provides six times higher impact resistance than a classic external thermal insulation composite system.

- Ready to use
- Cement-free
- White
- Excellent workability
- Flexibility
- High impact resistance

IMPACT RESISTANCE



TECHNICAL DATA

GRADING	< 1.2 mm
YIELD AS BASE COAT	approx. 5-8 kg/m ²
COEFF. OF THERMAL CONDUCTIVITY	$\lambda = 0.70 \text{ W/m}\cdot\text{K}$ (tabulated value)
APPLICATION OF THICKNESS	approx. 3-5 mm
APPLICATION	By hand with metal trowel or by machine
SUPPLY	25 kg bucket

3 IMPACT RESISTANCE TESTS ON THE FASSATHERM® ETIC SYSTEM

SYSTEM	3 JOULE IMPACT	10 JOULE IMPACT	20 JOULE IMPACT	30 JOULE IMPACT	40 JOULE IMPACT	50 JOULE IMPACT	60 JOULE IMPACT
A 96 * + FASSANET 160 + RX 561 1.5 MM	✓	X					
A 96 * + DOUBLE MESH FASSANET 160 + RX 561 1.5 MM	✓	✓					
FLEXYTHERM 11** + FASSANET 160 + RX 561 1.5 MM	✓	✓	✓	✓	X		
FLEXYTHERM 11** + FASSANET 370 + RX 561 1.5 MM	✓	✓	✓	✓	✓	✓	✓

* * ETA 07/0280 FASSATHERM CLASSIC

**Ball drop test - Test in accordance with EN 13497 - FASSA Research Centre – Spresiano (Treviso) - Italy

BASECOLL MONO



Waterproof cement adhesive-base coat.

One-component waterproofing cementitious adhesive and base coat for EPS insulation base panels.

It features excellent adhesion and elasticity. Maximum seal and protection at the base of all FASSATHERM® External Thermal Insulation Composite Systems.

- Waterproofing
- One-component
- Specifically for base panels

WATERPROOFING



TECHNICAL DATA

GRADING	< 0.6 mm
YIELD FOR BONDING	4-5 kg/m ²
YIELD AS BASE COAT	approx. 1.7 kg/m ² per mm in thickness
COEFF. OF THERMAL CONDUCTIVITY	λ= 0.56 W/m·K (tabulated value)
MINIMUM APPLICATION THICKNESS	3 mm
APPLICATION	By hand with metal trowel
ADHESION BETWEEN ADHESIVE AND EPS PANEL (ETAG 004, 5.1.4.1.3)	≥ 0.08 N/mm ²
SUPPLY	25 kg sacks



FASSATHERM® SYSTEM

INSULATION PANELS.





EPS WHITE AND GREY

67

MINERAL WOOL SLAB

67

INSULATION PANELS

Thermal insulation panels are used to install FASSATHERM® External Thermal Insulation Composite Systems on the exterior walls of newly-constructed buildings or in renovations of existing buildings.

In an External Thermal Insulation Composite System, the panel is the main layer, with the key function of thermally insulating the opaque envelope it is applied to. For this reason, the panels must feature low thermal conductivity values, thus providing high heat transfer resistance.

Thermal resistance is an important parameter and varies according to panel thickness. The thickness of the panel is defined based on thermal insulation requirements and, in any case, in compliance with legislation in force.

In addition to thermal insulation performance, other technical parameters may vary depending on the different insulating materials, affecting the choice of the type of panel.

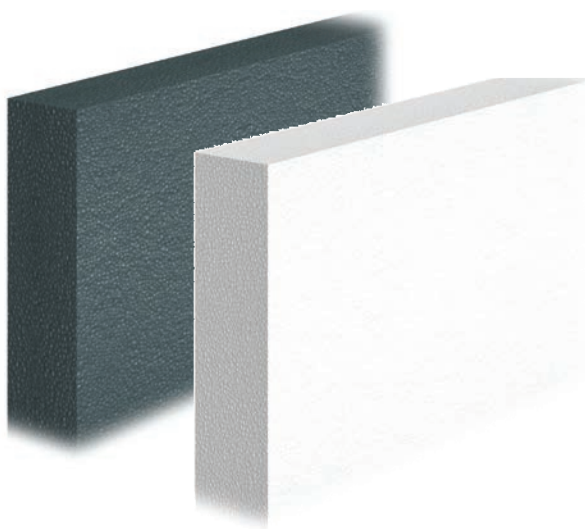
Among these, it is important to analyse performance in terms of fire reaction, water vapour resistance, compressive strength, flexural strength, tensile strength, dimensional stability etc...

A mineral wool panel, offers a higher Euroclass fire reaction classification, as mineral fibres are non-combustible. Mineral wool also offers greater thermal wave phase shift, due to higher density, thus improving envelope energy performance in both winter and summer. As a result, the best FASSATHERM® External Thermal Insulation Composite System solution is evaluated based on performance requirements, starting with the choice of the most suitable insulation panel.

Insulation panels covered by the product standard are classified according to specific characteristics, such as flatness and squareness tolerances, mechanical strength, fire behaviour, etc. Regarding our products, the table below lists the main product standards.

EUROPEAN STANDARD	INSULATING MATERIALS
EN 13162	Thermal insulation products for buildings - Factory made mineral wool (MW) products - Specification
EN 13163	Thermal insulation products for buildings - Factory made expanded polystyrene (EPS) products - Specification
EN 13165	Thermal insulation products for buildings - Factory made rigid polyurethane foam (PUR) products - Specification
EN 13170	Thermal insulation products for buildings - Factory made products of expanded cork (ICB) - Specification
EN 13171	Thermal insulation products for buildings - Factory made wood fibre (WF) products - Specification
EN 13499	Thermal insulation products for buildings - External thermal insulation composite systems (ETICS) based on expanded polystyrene - Specification
EN 13500	Thermal insulation products for buildings - External thermal insulation composite systems (ETICS) based on mineral wool - Specification

EPS WHITE & GREY



Expanded polystyrene thermal insulation panels.

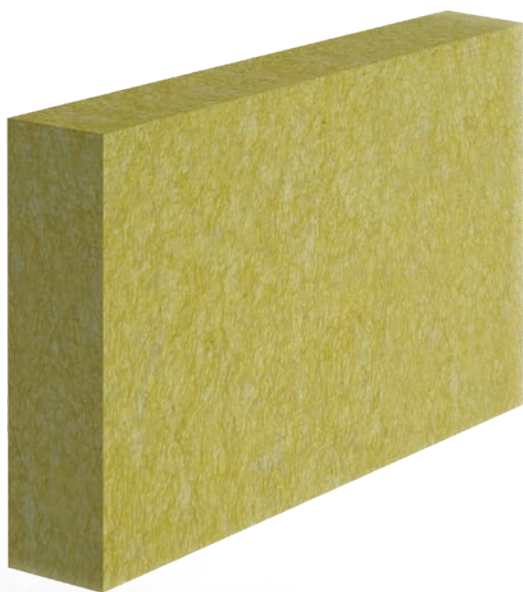
EPS expanded polystyrene thermal insulation panels are made from high quality raw materials, cut by hot wire from previously cured blocks.

- 100% recyclable
- Light and easy to apply
- Panel compliant with BBA requirements
- Guaranteed thermal lambda

TECHNICAL DATA

	WHITE	GREY
DECLARED THERMAL CONDUCTIVITY	0.038 W/m·K	0.032 W/m·K
LENGTH	1,200 mm	1,200 mm
WIDTH	600 mm	600 mm
THICKNESS	20-200 mm	30-300 mm

MINERAL WOOL



Mineral wool thermal insulation panels, manufactured by melting and spinning stone materials.

Used for application of external thermal insulation composite systems on the exterior walls of new buildings, or in the restoration and renovation of existing buildings. The thickness of the panel will be defined according to the thermal insulation requirements and, in any case, in compliance with current legislation in force in the place where it is used.

TECHNICAL DATA

LENGTH	1,200 mm
WIDTH	600 mm
THICKNESS	from 50 to 250 mm



FASSATHERM® SYSTEM

FIXING ELEMENTS AND FINISHES.



MOUNTING ELEMENTS	70
FIXING ELEMENTS	71
REINFORCING MESH	77
COMPLEMENTARY ACCESSORIES	78
MECHANICAL SYSTEM	84
PROTECTIVE FINISHES	85

MOUNTING ELEMENTS



FASSA ISO-DART

Fastening of light-medium attachments on ETICS (up to 15 kg).

SALES UNIT

ITEM CODE	LENGTH	MOQ (full packs only)
290089	80 mm	10 pcs
290090	100 mm	10 pcs
290091	120 mm	10 pcs
290092	140 mm	10 pcs
290093	160 mm	10 pcs
290094	180 mm	10 pcs
290095	200 mm	10 pcs
290096	220 mm	10 pcs
290097	240 mm	10 pcs
290098	260 mm	10 pcs
290099	280 mm	10 pcs



POWER-BLOC

Fastening of light-medium attachments on ETICS (up to 12 kg).

SALES UNIT

ITEM CODE	LENGTH	MOQ
290100	160x100x100 mm	1 pc

FIXING ELEMENTS

It is not always easy to mount the different elements on buildings with external thermal insulation composite systems: if using short fixing accessories, which do not penetrate the insulating material through to the masonry, the products are not firmly anchored and thus are not very reliable in terms of stability.

If using screws that go completely through the insulation and are fixed to the wall, a thermal bridge is created between the outside and the inside: insulation at the fixing points is no longer guaranteed, and there is a risk of condensation and mould forming. Specific solutions are therefore available for correctly fixing external elements to the insulation without forming thermal bridges. Fixing by anchors is used in addition to bonding the insulation panels to the substrate with adhesive. The main function of these anchors is not to absorb the adhesion or load-bearing forces of the panels, but rather to provide adhesion stability over time, which may be compromised by improper substrate preparation and wind loads. In other words, the adhesive counteracts forces that are parallel to the substrate, while the anchors counteract forces that are perpendicular to the substrate. The anchors used must comply with the requirements of ETAG 014. The anchors must be chosen both depending on the type of masonry substrate that the FASSATHERM® External Thermal Insulation Composite System is applied to, and the type of insulation used.

The following table lists the various types of anchors that can be used:

ANCHOR TYPE	SUBSTRATE	FIXING TYPE	INSULATION PANEL TYPE	ANCHORING DEPTH	APPROVAL ACCORDING TO ETAG 0141
FASSA TOP FIX 2G ANCHOR (EJOTHERM STR U 2G)	A - B - C - D - E	screwed-in	EPS - MW - WF	25 mm*	YES
FASSA COMBI FIX ANCHOR (EJOTHERM H1 ECO)	A - B - C	hammered-in	EPS - MW2 - WF	25 mm	YES
BOARD FIX ANCHOR	Wood	screwed-in	EPS - MW - WF	30 mm	NO
STEEL FIRE FIXING	Cement boards	screwed-in	EPS - MW - WF	-	NO

*65 mm substrate "E"

- 1. European approval of plastic anchors for fixing of external thermal insulation systems with rendering.**
- 2. The additional washer should be used for mineral wool panels.**

SUBSTRATE TYPES ACCORDING TO ETAG 014	SUBSTRATE	INSULATION PANEL TYPE	INSULATION PANEL DESCRIPTION
A	Solid concrete	EPS	Expanded polystyrene
B	Solid brick	MW	Mineral wool
C	Hollow brick	WF	Mineral wool
D	Lightweight aggregate concrete		
E	Autoclaved aerated concrete		

For anchor quantity refer to the installation guide.

It should be remembered that the height of the building and its geographic location also influence the number of anchors needed for application. This is especially true for areas at the edge of the building that are most subject to wind forces.

FIXING ELEMENTS



- ETA approval for all building materials
- With washer for a flush surface and uniform base coat application
- Simple and fast application
- Reduced anchoring depth
- Maximum load capacity
- Screw pre-assembled for fast mounting
- Optimised thermal bridge
- Available for insulation thicknesses from 60 to 420 mm
- Hole depth:
 - 35 mm (A-B-C-D flush)
 - 75 mm (E flush)
 - 55 mm (ABCD recessed)
 - 95 mm (E recessed)
- Anchoring depth:
 - 25 mm (ABCD)
 - 65 mm (E)

FASSA TOP FIX 2G ANCHOR (EJOTHERM STR U 2G)

Screw anchor with washer.

SALES UNIT

ITEM CODE	LENGTH	MOQ (full packs only)
289920	115	100 pcs
289921	135	100 pcs
289922	155	100 pcs
289923	175	100 pcs
289924	195	100 pcs
289925	215	100 pcs
289926	235	100 pcs
289927	255	100 pcs
289928	275	100 pcs
289929	295	100 pcs
289930	315	100 pcs
289931	335	100 pcs
289932	355	100 pcs
289933	375	100 pcs
289934	395	100 pcs
289935	415	100 pcs
289936	435	100 pcs
289937	455	100 pcs



FASSA COMBI FIX ANCHOR (EJOTHERM H 1)

Universal percussion anchor for fixing insulating panels in ETICS systems.

SALES UNIT

ITEM CODE	LENGTH	MOQ (full packs only)
290101	95	100 pcs
290102	115	100 pcs
290103	135	100 pcs
290104	155	100 pcs
290105	175	100 pcs
290131	195	100 pcs
290132	215	100 pcs
290133	235	100 pcs
290134	255	100 pcs
290135	275	100 pcs
290161	295	100 pcs
290162	315	100 pcs
290163	335	100 pcs
290164	355	100 pcs



FASSA BASIC FIX (EJOT H3)

Universal hammer-in anchor with plastic injection element and flexible washer.

SALES UNIT

ITEM CODE	LENGTH	MOQ (full packs only)
289940	75	200 pcs
289941	95	200 pcs
289942	115	200 pcs
289943	135	200 pcs
289944	155	200 pcs
289945	175	100 pcs
289946	195	100 pcs
289947	215	100 pcs
289948	235	100 pcs



FASSA BOARD FIX (SW8R T-4.8)

Screw fix for carrier board. Hexagonal head.

SALES UNIT

ITEM CODE	LENGTH	MOQ
290049	80	250 pcs
290051	100	250 pcs
290053	120	250 pcs
290055	140	200 pcs
290046	160	200 pcs
290048	180	200 pcs
290050	200	200 pcs
290052	220	200 pcs
290054	240	200 pcs
290056	260	200 pcs
290128	280	200 pcs
290130	300	200 pcs

FIXING ELEMENTS



FASSA BOARD FIX (TKR 4.8)

Screw fix for carrier board. Cross head.

SALES UNIT

ITEM CODE	LENGTH	MOQ (full packs only)
290006	60	500 pcs
290007	70	500 pcs
290008	80	250 pcs
290009	90	250 pcs
290010	100	250 pcs
290011	110	250 pcs
290012	120	250 pcs
290013	130	250 pcs
290014	140	200 pcs
290015	150	200 pcs
290016	160	100 pcs
290017	170	200 pcs
290018	180	100 pcs
290020	200	100 pcs
290022	220	100 pcs
290024	240	100 pcs
290026	260	100 pcs
290028	280	100 pcs
290030	300	250 pcs



FASSA FIRE FIX (DMH 8/35)

Stainless steel hammer fix for lamella fire break. Use with HTV/DMT washer.

SALES UNIT

ITEM CODE	LENGTH	MOQ (full packs only)
290075	80 mm	250 pcs
290076	110 mm	250 pcs
290077	140 mm	250 pcs
290078	170 mm	250 pcs
290079	200 mm	250 pcs
290080	250 mm	250 pcs
290069	300 mm	250 pcs



FASSA FIRE FIX (JT3 ST 2)

Stainless steel screw fix for lamella fire break. Use with DMT washer.

SALES UNIT

ITEM CODE	LENGTH	MOQ (full packs only)
290081	60 mm	500 pcs
290082	80 mm	250 pcs
290083	100 mm	250 pcs
290084	120 mm	250 pcs
290085	140 mm	250 pcs
290086	160 mm	200 pcs
290087	180 mm	200 pcs
290088	200 mm	200 pcs



JT3 D6H 5.5/6.3

Screw fix for carrier board. Countersunk hexagonal head. Use with DMT washer.

SALES UNIT

ITEM CODE	LENGTH	MOQ (full packs only)
290137	237 mm	100 pcs
290138	267 mm	100 pcs



JT3 D12H 5.5/6.3

Stainless steel screw for CP board/steel substrates. Use with DMT washer.

SALES UNIT

ITEM CODE	LENGTH	MOQ (full packs only)
290139	300 mm	100 pcs

FIXING ELEMENTS



JT3 3 5.5

Stainless steel rail fixing to cement particle board.

SALES UNIT

ITEM CODE	LENGTH	MOQ (full packs only)
290057	35	100 pcs
290058	50	100 pcs
290059	70	100 pcs



LS 5.5

Fixing PVC rail to cement board.

SALES UNIT

ITEM CODE	LENGTH	MOQ (full packs only)
290063	32	100 pcs
290064	38	100 pcs
290065	50	100 pcs
290066	70	100 pcs

REINFORCING MESH



FASSANET 160

160 g/m² alkali-resistant mesh, 4.15x3.8 mm mesh size approx. Its technical characteristics and the type of treatment applied ensure the system can withstand impact, as well as respond to the stress deriving from sudden changes in temperature and shrinkage, minimising the formation of cracks or fissures.

ITEM CODE	700960
WEIGHT	160 g/m ²
ROLL SIZE	50 m ²
PACK	1 Roll (1x50 m)



FASSANET 370

370 g/m² alkali-resistant mesh, 5x5.9 mm mesh size approx. Its technical characteristics and the type of treatment applied reduce the stress transmitted by the system over time. It is especially suitable for limiting stress deriving from sudden changes in temperature and shrinkage, minimising the formation of cracks or fissures. It gives the system excellent surface resistance to impact.

ITEM CODE	700962
WEIGHT	370 g/m ²
ROLL SIZE	75 m ²
PACK	1 Roll (1.5x50 m)



MOULDED REINFORCING MESH FOR CORNERS

ITEM CODE	LENGTH	MOQ (full packs only)
700984	160 g/m ²	25 pcs

COMPLEMENTARY ACCESSORIES



EPS INSULATING STOP PLUG

EPS insulating cap for Fassa Top Fix 2G.

ITEM CODE	MOQ (full packs only)
289898	500 pcs



WASHER VT 90 AND SBL 140

Additional washers for mineral wool.

ITEM CODE	Ø WASHER	MOQ (full packs only)
289836	90 mm	100 pcs
289837	140 mm	100 pcs



WASHER DMT 80

DMT Washer 80 mm stainless steel for lamella firebreak.

ITEM CODE	Ø WASHER	MOQ (full packs only)
290001	80 mm	100 pcs



WASHER SBH-T 65/25

SBH-T 65/25 Washer (for TKR and SW8 fixing).

ITEM CODE	MOQ (full packs only)
290000	100 pcs



WASHER DMT 85/7E

DMT 85/7E Washer to be used with JT3 ST and JT3 D6H.

ITEM CODE	MOQ (full packs only)
289999	100 pcs



WASHER SBV 6.5/90

90 mm diameter, 6.5 mm hole to be used instead of SBH-T and VT90 combination as well as with TKR, SW8R-T and JT3-D6

ITEM CODE	MOQ (full packs only)
289887	100 pcs



ANCHOR MOUNTING TOOL

Tool for flush mounting of FASSA TOP FIX 2G.

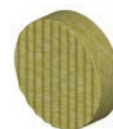
ITEM CODE	PACK
289829	1 pc



CAP FOR GREY EPS PANELS

EPS insulating plug with graphite for FASSA TOP FIX 2G anchor.

ITEM CODE	Ø WASHER	MOQ (full packs only)
289894	60 mm	100 pcs



CAP FOR ROCK WOOL SLABS

Rock wool insulating plug for FASSA TOP FIX 2G anchor.

ITEM CODE	Ø WASHER	MOQ (full packs only)
289896	60 mm	100 pcs



CAP FOR WHITE EPS PANELS

EPS insulating plug for FASSA TOP FIX 2G anchor.

ITEM CODE	Ø WASHER	MOQ (full packs only)
289897	60 mm	100 pcs



MOUNTING TOOL SPARE PARTS KIT

Spare parts kit for the countersunk mounting tool.

ITEM CODE	PACK
289899	1 pc



BASE PROFILE CONNECTOR

Base profile coupling for aluminium base track.

ITEM CODE	MOQ (full packs only)
289886	100 pcs



SPIRAL ANCHOR

Spiral anchor for fixing lightweight objects to EWI façades.

ITEM CODE	MOQ (full packs only)
289838	10 pcs



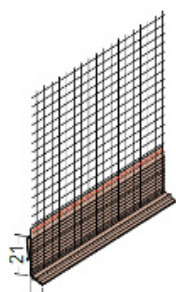
ALUMINIUM BASE TRACKS

Natural aluminium, base water-drip profile.

ITEM CODE	LENGTH MM	BOARD SIZE MM	MOQ	ITEM CODE	LENGTH MM	BOARD SIZE MM	MOQ
289116	2500	20	1 pc	289109	2500	160	1 pc
289133		30	1 pc	289124		170	1 pc
289134		40	1 pc	289108		180	1 pc
289129		50	1 pc	289125		190	1 pc
289188		60	1 pc	289111		200	1 pc
289131		70	1 pc	289126		210	1 pc
289114		80	1 pc	289112		220	1 pc
289115		90	1 pc	289127		230	1 pc
289139		100	1 pc	289104		240	1 pc
289121		110	1 pc	289105		250	1 pc
289138		120	1 pc	289106		260	1 pc
289122		130	1 pc	289107		270	1 pc
289137		140	1 pc	289128		280	1 pc
289123		150	1 pc				

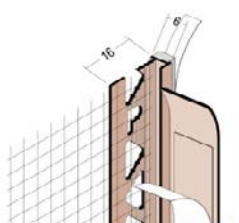
COMPLEMENTARY ACCESSORIES

BASE TRACK CLIPS



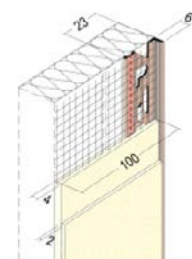
ITEM CODE	DESCRIPTION	MOQ (full packs only)
700470	PVC Clip-on profile for thermal insulation with alkali-resistant fibreglass mesh. Plaster thickness: 6-8 mm Product length: 2500 mm	15 pcs
700469	PVC Clip-on profile for thermal insulation with alkali-resistant fibreglass mesh. Plaster thickness: 10 mm Product length: 2500 mm	15 pcs

FRAMESEAL BEAD



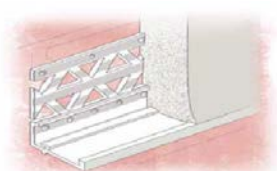
ITEM CODE	DESCRIPTION	MOQ (full packs only)
700763	Self-adhesive white PVC frameseal bead for thermal insulation, with shadow gap, fibreglass mesh and detachable adhesive tab to fix a protective sheet. Plaster thickness: 6 mm Product length: 2600 mm	50 pcs

STOP BEAD WITH MESH



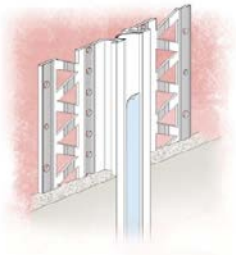
ITEM CODE	DESCRIPTION	MOQ (full packs only)
700768	White PVC stop profile for thermal insulation with alkali-resistant fibreglass fabric. Plaster thickness: 6 mm Product length: 2500 mm	25 pcs

BELL CAST BEAD



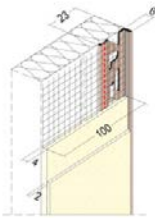
ITEM CODE	DESCRIPTION	COLOURS	MOQ (full packs only)
700471	10 mm Drip Bead Render depth: 6 - 12 mm Product length: 2500 mm	WHITE	25 pcs
700471IV		IVORY	
700472	15 mm Drip Bead Render depth: 10 - 17 mm Product length: 2500 mm	WHITE	25 pcs
700472IV		IVORY	
700472LG		LIGHT GREY	
700472DG		DARK GREY	
700473	20 mm Drip Bead Render depth: 13 - 22 mm Product length: 2500 mm	WHITE	25 pcs
700473IV		IVORY	
700473LG		LIGHT GREY	
700473DG		DARK GREY	

PVC VERTICAL MOVEMENT BEAD



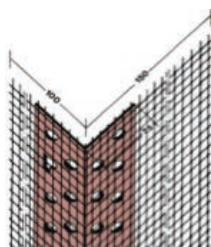
ITEM CODE	DESCRIPTION	COLOURS	MOQ (full packs only)
701170	PVC Movement Bead 2500 X 4-6 mm	WHITE	25 pcs
701173	PVC Movement Bead 2500 X 6-8 mm	WHITE	25 pcs
701173IV		IVORY	
701174		WHITE	25 pcs
701174IV	PVC Movement Bead 2500 X 10-12 mm	IVORY	
701174LG		LIGHT GREY	
701174DG		DARK GREY	25 pcs
701175	PVC Movement Bead 2500 X 13-15 mm	WHITE	
701175IV		IVORY	
701176		WHITE	25 pcs
701176IV	PVC Movement Bead 2500 X 15-17 mm	IVORY	
701176LG		LIGHT GREY	
701176DG		DARK GREY	25 pcs
701177	PVC Movement Bead 2500 X 17-20 mm	WHITE	
701177IV		IVORY	

PVC STOP BEAD



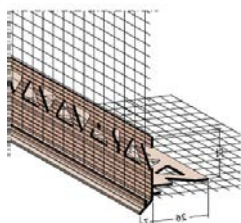
ITEM CODE	DESCRIPTION	COLOURS	MOQ (full packs only)
700462	PVC Stop bead 2500 x 4-6 x 42 mm	WHITE	25 pcs
700462IV		IVORY	
700457		WHITE	25 pcs
700457IV	PVC Stop bead 2500 x 6-8 x 42 mm	IVORY	
700457DG		DARK GREY	
700463		WHITE	25 pcs
700463IV	PVC Stop bead 2500 x 10-12 x 42 mm	IVORY	
700463LG		LIGHT GREY	
700463DG		DARK GREY	25 pcs
700464		WHITE	
700464IV	PVC Stop bead 2500 x 13-15 x 42 mm	IVORY	
700464LG		LIGHT GREY	25 pcs
700464DG		DARK GREY	
700465		WHITE	
700465IV	PVC Stop bead 2500 x 15-17 x 42 mm	IVORY	25 pcs
700465LG		LIGHT GREY	
700465DG		DARK GREY	
700466	PVC Stop bead 2500 x 20-22 x 42 mm	WHITE	25 pcs
700466IV		IVORY	

COMPLEMENTARY ACCESSORIES



MESH CORNER BEAD

ITEM CODE	DESCRIPTION	MOQ (full packs only)
700986	PVC thin coat mesh corner bead 2500 x 100 x 150 mm	50 pcs



WATER DRIP NOSE BEAD

ITEM CODE	DESCRIPTION	MOQ (full packs only)
700975	Water drip nose profile for thermal insulation 6 mm, 100 x 100 mm	10 pcs



FASSTAPE

Adhesive self-expanding sealing tapes.

ITEM CODE	THICKNESS	LENGTH	PACK SIZE (full packs only)
700908	2-6 mm	12 m	20 pcs
700909	4-9 mm	8 m	20 pcs
700911	5-12 mm	5.6 m	20 pcs
700912	6-15 mm	4.3 m	20 pcs



BASE PROFILE SHIMS

Square polyamide packing shims designed to snap onto various EJO fasteners.

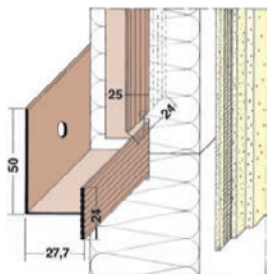
ITEM CODE	THICKNESS	MOQ (full packs only)
289878	1 mm	100 pcs
289879	2 mm	100 pcs
289880	3 mm	100 pcs
289881	5 mm	100 pcs
289882	8 mm	100 pcs
289883	10 mm	100 pcs
289884	15 mm	100 pcs
289885	30 mm	100 pcs



TROWELS FOR TOPCOAT

ITEM CODE	DESCRIPTION	SIZE	MOQ
231110	Single hand plastic trowel	280x130 mm	1 pc
231112	Large plastic trowel	500x140 mm	1 pc

MECHANICAL SYSTEM



TRACK AND T-SPLINE FOR RAIL SYSTEM

ITEM CODE	DESCRIPTION	LENGTH	MOQ (full packs only)
701090	PVC head rail	2500	25 pcs
701091	PVC vertical spline	490	100 pcs
701092	PVC horizontal rail	2500	25 pcs
701093	Alu vertical spline	470	100 pcs
701094	Alu horizontal rail	2000	25 pcs



FASSA ROTO MECHANIC FIX (SDK U)

Fixing PVC and aluminium rail to low density substrates.

ITEM CODE	LENGTH	MOQ (full packs only)
289785	45 mm	100 pcs
289786	65 mm	100 pcs
289787	85 mm	100 pcs
289788	105 mm	100 pcs



FASSA MECHANIC FIX (EJOTHERM NK U 8)

Hammer set anchor for base rails.

ITEM CODE	LENGTH	MOQ (full packs only)
289791	45 mm	100 pcs
289792	65 mm	100 pcs
289793	85 mm	100 pcs

PROTECTIVE FINISHES

To correctly complete application of the FASSATHERM® External Thermal Insulation Composite System, it is necessary to apply thick decorative and protective finishes.

The coloured coatings have been designed to carry out two very important functions: Protection and Decoration. Protection is an essential requirement for products used as exterior decorative finishes; these must be able to protect the underlying layers against aggression by the elements. No less important is the decorative function, as the finish must be able to satisfy the desired aesthetic and chromatic characteristics.

In order to meet all of these requirements, Fassa has developed thick decorative finishes for the FASSATHERM® External Thermal Insulation Composite System.

These coatings, formulated with different types of binders, have been designed with specific features.

■ SILICONE RESIN COATING:

High water repellency and excellent breathability with improved weather resistance.

■ ACRYLIC-SILOXANE COATING:

Excellent water repellency, good breathability and high protection.

■ ACRYLIC COATING:

Excellent outdoor protection and high elasticity

Once the panels have been bonded and fixed with anchors, the reinforced base coat is applied. The reinforced base coat consists of two layers of base coat embedded with alkaline-resistant fibreglass mesh. The reinforcing mesh has the function of ensuring the system can withstand knocks, as well as respond to the stress deriving from sudden changes in temperature and shrinkage, minimising the formation of cracks or fissures.

TRENDS FOR EXTERIORS

THE FIRST GLANCE SAYS IT ALL:
THAT'S WHY IT MUST BE MEMORABLE

An exclusive selection of colours for exteriors, 350 in fact, ranging from lighter to darker tones, from brighter to flatter, and is divided into seven sections based on different colour trends, offering the maximum expressive freedom.



fassa colour®

trends for
EXTERIORS



FS 412



Primer for silicone-resin cycles.

FS 412 is a water-based primer-undercoat used to insulate, prepare or stabilise the substrate before applying silicone resin system finish coat products, without however affecting substrate breathability.

- Specific for silicone-resin cycles
- Water-based insulating primer

TECHNICAL DATA

SPECIFIC WEIGHT	approx. 1 kg/l
DILUTION IN WATER BY WEIGHT	1 part FS 412 to 1 part water
YIELD	approx. 7-9 m ² /l
APPLICATION	by brush or roller
SUPPLY	16 litre buckets
COLOUR	transparent

FX 526



Universal pigmented primer-undercoat.

FX 526 is a pigmented undercoat used as a filling primer-undercoat for various types of thick finish coatings in aqueous emulsion: synthetic, mineral, silicate or siloxane.

Thanks to its hiding power it creates a uniform, coloured surface; at the same time, the fine aggregate ensures better adhesion of thick finish coatings both on the FASSATHERM® External Thermal Insulation Composite System and on painted masonry.

- Frame
- White or pigmented
- Filling effect
- For thick coatings
- Improves anchoring
- Excellent hiding power
- For interiors and exteriors
- Easy application

TECHNICAL DATA

SPECIFIC WEIGHT	approx. 1.61 kg/l
DILUTION IN WATER BY WEIGHT	approx. 5%
YIELD	approx. 6-8 m ² /l
APPLICATION	by brush or roller
SUPPLY	5 and 14 litre buckets
COLOUR	selection of colours from the ColorLife tinting system

FA 249



Primer for acrylic system products.

FA 249 is a water-based primer-undercoat used to insulate, prepare or stabilise the substrate before applying acrylic system finish coat products, for both interiors and exteriors.

- Water-based product
- Ensures uniformity and reduces absorption
- High yield

TECHNICAL DATA

SPECIFIC WEIGHT	approx. 1 kg/l
DILUTION IN WATER BY WEIGHT	1 part FA 249 to 6-8 parts water
YIELD	approx. 25 m ² /l
APPLICATION	by brush or roller
SUPPLY	buckets of 16 l, 5 l and boxes of 12 pcs of 1 litre each
COLOUR	transparent

ACTIVE ONE



Detergent solution for cleaning masonry surfaces.

ACTIVE ONE is an aqueous solution with a high active chlorine content, for interiors and exteriors, suitable for masonry surfaces showing deterioration due to various types of hard-to-remove stains and dirt. The product is applied by brush or using the spray bottle provided, directly onto the surfaces being treated and leaving it to act for around 30 minutes.

- Detergent for walls
- For interiors and exteriors

TECHNICAL DATA

SPECIFIC WEIGHT	approx. 1.19 kg/l
DILUTION	ready-to-use
YIELD	approx. 6-8 m ² /l per coat
APPLICATION	by brush or spray
SUPPLY	Boxes of 12 x 0.5 litre bottles and 5 l per 2 pcs 30 packs/pallet

In the coming months, the tubs of the Colour System will undergo a progressive change in the graphics and packaging type, without affecting the product content.

RTA 549



Acrylic coating for thermall insulated walls

RTA 549 is a top coat mainly used as a special protective and decorative coating for exteriors and on the FASSATHERM® External Thermal Insulation Composite System.

Compliant with standard EN 15824

- Excellent outdoor protection
- Broad-spectrum protection against growth of algae and mould species.

TECHNICAL DATA

SPECIFIC WEIGHT	approx. 1.70-1.90 kg/l
DILUTION IN WATER BY WEIGHT	up to 2% if necessary
GRADINGS AVAILABLE	1-1.5-2 mm
CONSUMPTION 1 MM	approx. 2-2.5 kg/m ²
CONSUMPTION 1.5 MM	approx 2.3-2.7 kg/m ²
CONSUMPTION 2 MM	approx 2.6-3.4 kg/m ²
APPLICATION	by metal or plastic trowel
SUPPLY	25 kg buckets
COLOUR	selection of colours from the ColorLife tinting system

In the coming months, the tubs of the Colour System will undergo a progressive change in the graphics and packaging type, without affecting the product content.

RSR 421



Fibre reinforced and compacted coating boasted with siloxanes.

RSR 421 is a water-based top coat that ensures breathability, water repellency and excellent weather resistance.

RSR 421 is suitable for application on any type of render, including dehumidifying render and substrates insulated with the FASSATHERM® External Thermal Insulation Composite System. Compliant with standard EN 15824.

- Extra-white
- Fibre reinforced and compacted
- Water repellent and breathable
- Broad-spectrum protection against growth of algae and mould species
- Ready-to-use

TECHNICAL DATA

SPECIFIC WEIGHT	approx. 1.70-1.90 kg/l
DILUTION IN WATER BY WEIGHT	Ready-to-use
GRADINGS AVAILABLE	0.6 - 1 - 1.5 - 2 mm
CONSUMPTION 0.6 MM	approx. 2.5-3.2 kg/m ² for 2 layers
CONSUMPTION 1 MM	approx. 2-2.5 kg/m ²
CONSUMPTION 1.5 MM	approx. 2.3-2.7 kg/m ²
CONSUMPTION 2 MM	approx. 2.6-3.4 kg/m ²
APPLICATION	by metal or plastic trowel
SUPPLY	25 kg buckets
COLOUR	selection of colours from the ColorLife tinting system

* ETA certification valid only for 1 - 1.5 - 2 mm gradings

RX 561



Compact acrylic siloxane coating.

RX 561 is a top coat made from acrylic copolymers, special polysiloxanes and specific additives to provide the product broad-spectrum protection against algae and mould species. RX 561 provides a rustic surface finish and is used as a protective and decorative coating for exteriors.

Compliant with standard EN 15824.

- Optimum water repellency
- Good breathability
- High protection
- Broad-spectrum protection against growth of algae and mould species

TECHNICAL DATA

SPECIFIC WEIGHT	1.70-1.90 kg/l
GRADINGS AVAILABLE	0.6-1-1.5-2-3 mm
CONSUMPTION 0.6 MM	approx. 2.5-3.2 kg/m ² for 2 layers
CONSUMPTION 1 MM	approx. 2-2.5 kg/m ²
CONSUMPTION 1.5 MM	approx. 2.3-2.7 kg/m ²
CONSUMPTION 2 MM	approx. 2.6-3.4 kg/m ²
CONSUMPTION 3 MM	approx. 4-4.6 kg/m ²
APPLICATION	by metal or plastic trowel
SUPPLY	25 kg buckets
COLOUR	selection of colours from the ColorLife tinting system

* ETA certification valid only for 1 - 1.5 - 2 mm gradings

In the coming months, the tubs of the Colour System will undergo a progressive change in the graphics and packaging type, without affecting the product content.

SKIN 432



Protective siloxane finish.

SKIN 432 is a finish for exteriors featuring optimum water repellency and very high breathability, characteristics that allow versatile application of the product, from finishes on new and existing renders, to the treatment of façades insulated with the FASSATHERM® External Thermal Insulation Composite System.

In addition, thanks to the special formulation, façades treated with SKIN 432 tend to remain cleaner than façades with traditional finishes for exteriors.

- Low dirt pick-up
- Optimum water repellency
- Maximum façade protection and cleanliness
- Broad-spectrum protection against growth of algae and mould species

TECHNICAL DATA

SPECIFIC WEIGHT	approx. 1.52-1.56 kg/l (depending on the base colour)
DILUTION IN WATER BY WEIGHT	First coat and any intermediate coats 15%. Finishing coat to be diluted to 5-10% by weight, depending on the chosen colour
DIRT PICK-UP	$\Delta L \leq 3$, negligible
YIELD	approx. 4-5 m ² /l (2 layers)
APPLICATION	by brush or roller
SUPPLY	14 litre buckets
COLOUR	selection of colours from the ColorLife tinting system

FASSADVANCE PROTECTION



High protection finish for façades.

FASSADVANCE PROTECTION is the exceptional outdoor finishing that, thanks to its innovative formula, protects facades and helps you obtain aesthetic quality that stands the test of time even with the most intense colours.

- New range of tints
- Better, longer-lasting protection
- Particularly durable even on dark tones
- Protective finish even for concrete

TECHNICAL DATA

SPECIFIC WEIGHT	approx. 1.32-1.35 kg/l
DIRT PICK-UP	Very low ($\Delta L < 3$)
YIELD	2,5 – 6 m ² /l for finished work (2 coats)
APPLICATION	by brush or roller
SUPPLY	Bucket of approx. 14 litre and boxes with 6 pieces of 1 litre
COLOUR	selection of colours from the ColorLife tinting system

MB 60



Bio white pointing mortar for facing brick walls, for interiors and exteriors.

MB 60 is used as mortar for exposed brickwork, whenever a lighter mortar colour is desired, thus requiring the absence of grey Portland cement.

- White
- Good breathability
- Suitable for facing brick walls

TECHNICAL DATA

YIELD	approx. 16 q of dry mortar to obtain 1,000 l of wet mortar (one 25 kg sack makes approx. 15.5 l of wet mortar)
SPECIFIC WEIGHT OF THE POWDER	approx. 1,400 kg/m ³
GRADING	< 1.5 mm
MINIMUM THICKNESS	10 mm

MV 40



Mortar for facing brick walls made from lime and cement, for interiors and exteriors.

MV 40 is used as mortar for building walls with exposed brickwork.

- Grey
- Suitable for facing brick walls

TECHNICAL DATA

YIELD	approx. 1,650 kg of dry mortar to obtain 1,000 l of wet mortar (one 25 kg sack makes approx. 15 l of wet mortar)
SPECIFIC WEIGHT OF THE POWDER	approx. 1,400 kg/m ³
GRADING	< 1.5 mm
MINIMUM THICKNESS	10 mm

FASSA BRICKFIX



**UK
CA**



One-component white adhesive with good elasticity for interiors and exteriors.

FASSA BRICKFIX is used to bond the brick slips in the FASSATHERM FRAME CLASSIC (BAW-21-219-SA-UK certified) and FASSATHERM MECHANICAL CLASSIC (BAW-21-217-SA-UK certified) thermal insulation systems.

- Suitable for composite brick slips
- Excellent workability
- Extended open time
- Resistant to vertical slippage

TECHNICAL DATA

MAXIMUM THICKNESS	6 mm
ESTIMATED CONSUMPTION	3-4 kg/m ² (*)
TYPE OF TROWEL	Square notch 6x6 mm

(*) the consumption data refer to one single spread

BRICKPLUS

BRICK SLIPS STANDARD BRICK COLOURS

More brick types available on request at info.fassauk@fassabortolo.com



Burnt Coals



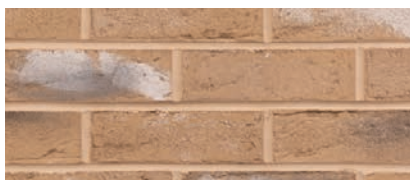
Multi Cream



Orange Sunset



Chatam Red



Monaco Buff



London Yellow



Stippled Orange

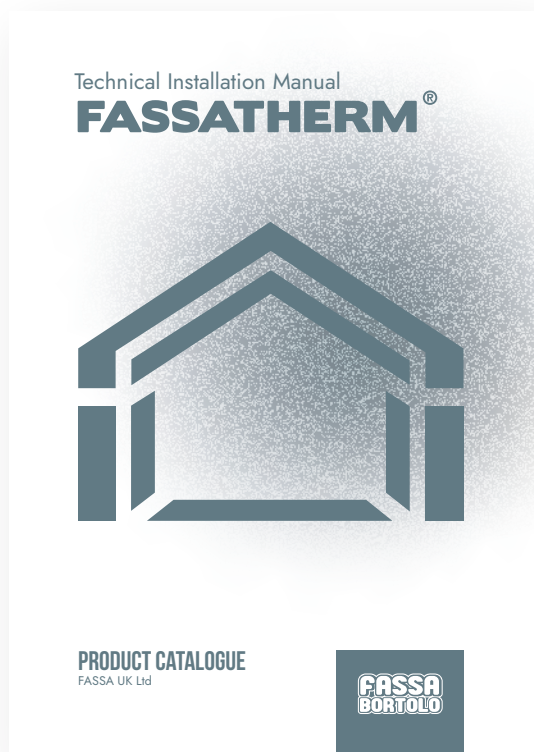


Cheshire Multi



Standard Red

FASSATHERM® ETIC SYSTEM APPLICATION MANUAL



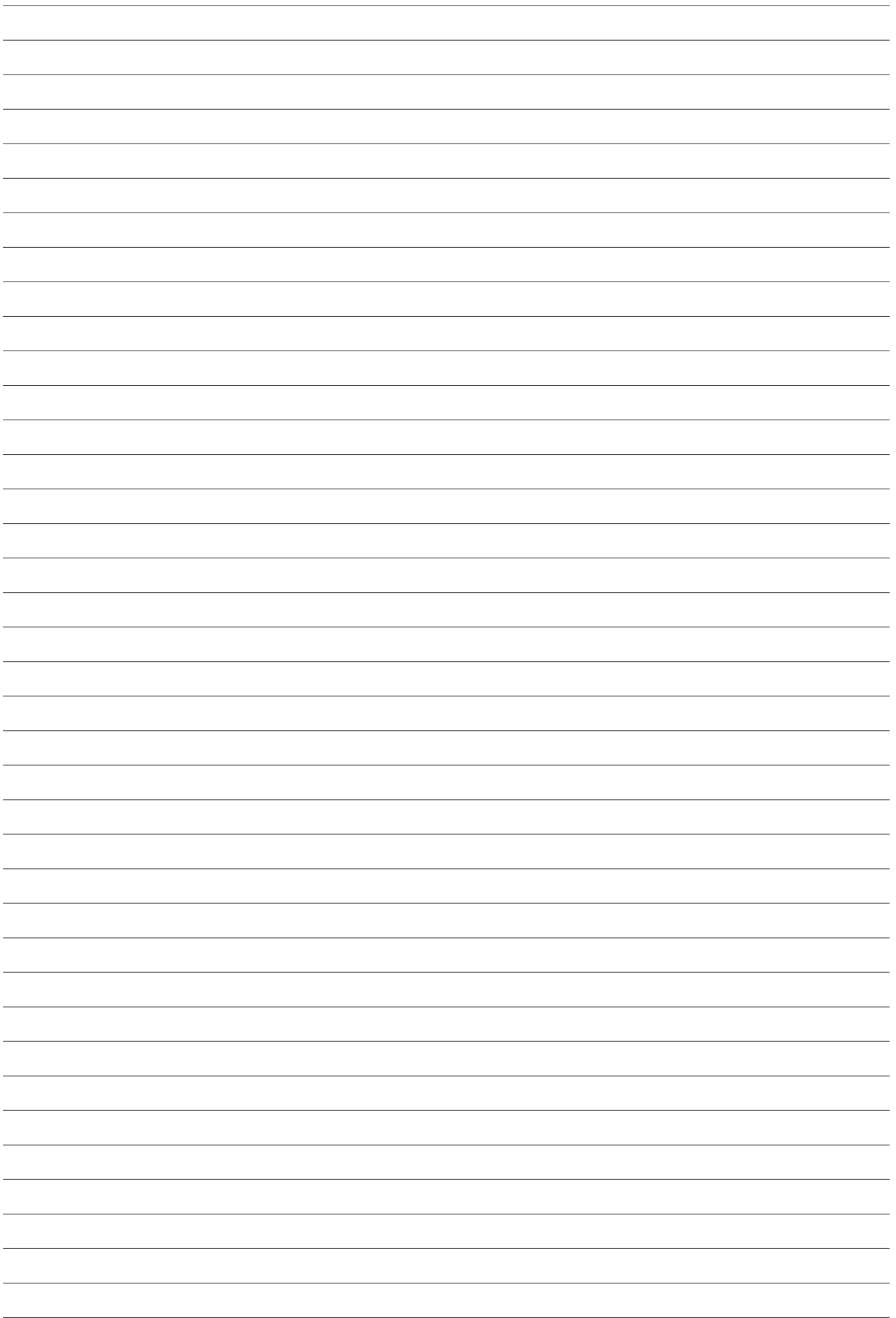
The performance of an External Thermal Insulation Composite System in terms of protection and energy efficiency not only depends on the quality of the materials used and the technology; application techniques also play an essential role in ensuring optimum system performance.

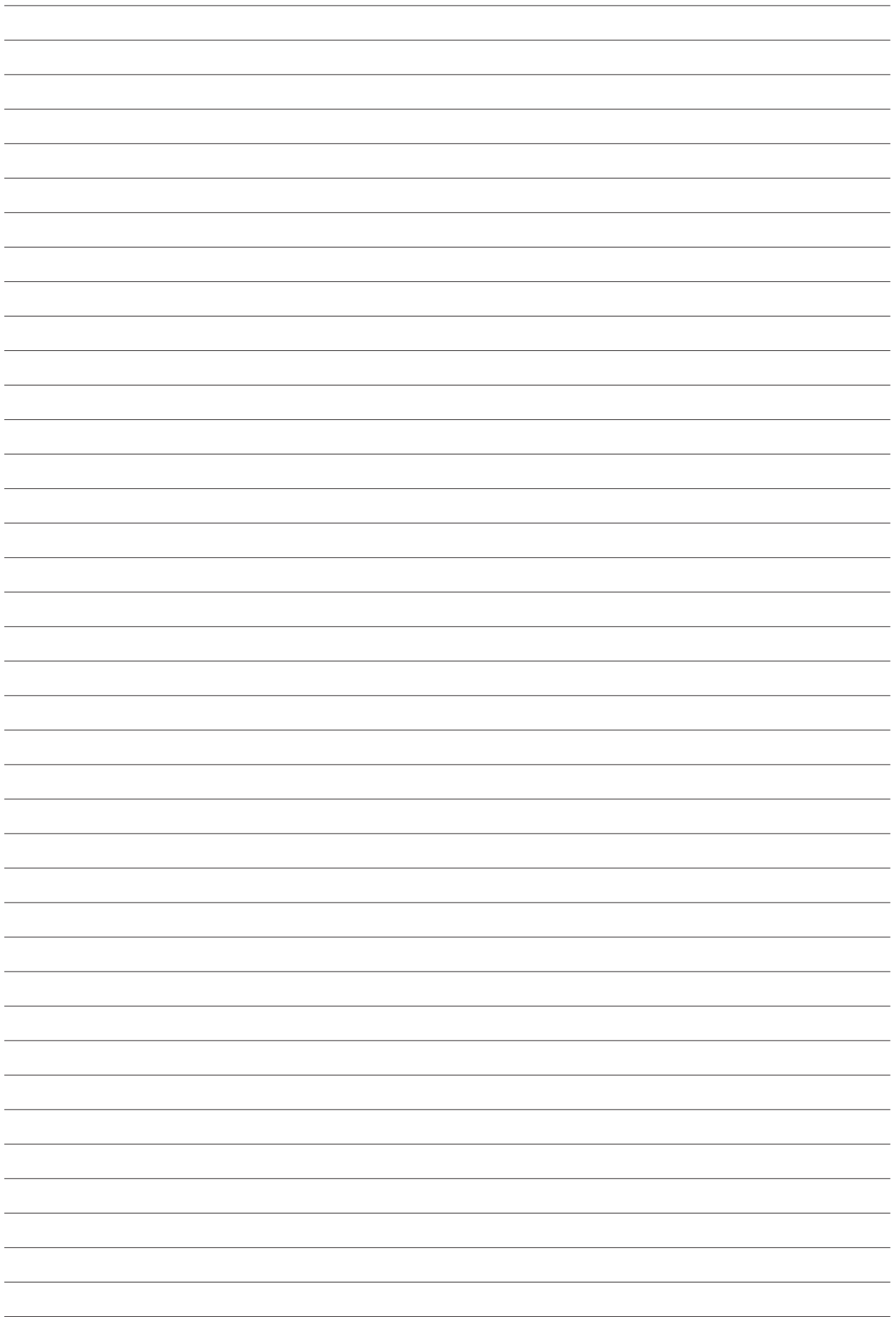
We have therefore decided to produce a technical manual with a complete overview of all the procedures adopted when applying the FASSATHERM® EXTERNAL THERMAL INSULATION COMPOSITE SYSTEM; accurate descriptions of the individual steps and methods, details of the components, equipment and accessories to be used, but also information on unforeseen problems that may occur during application, with an explanation of how to solve these.

Simple language and accurate information, complete with images for clearer understanding.

An important tool for site personnel, as well as for designers and customers: detailed knowledge of the techniques helps understand the results that can be obtained and how to improve them.









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