

FASSACOUCHE

DATA SHEET

Semi-lightweight through-coloured render for protecting and decorating façades



Composition

FASSACOUCHE is a lightweight coating made from natural lime, white cement, graded sand, perlite, UV-resistant mineral pigments and specific additives.

Supply

- Special sacks with protection against moisture, 25 kg
- Product available in 23 colour tones (see the "Colour range" table)

Use

Fassacouche is used as a through coloured render for exteriors, on both new and existing buildings, over medium density (1,400 to 1,800 kg/m³) concrete blockwork compliant with BS 771-3 : 2011, with a compressive strength of 7.3 N/mm².

FASSACOUCHE is an ideal product for work where an unconventional aesthetic effect is desired. With state-of-the-art application and the necessary precautions for such a unique product as FASSACOUCHE, the final result obtained will be changeable in different situations and stand out for its refinement and uniqueness.

Substrate preparation

The wall must be free from dust dirt, salt deposits etc.. Any traces of oils, fats, waxes, etc. must be removed beforehand. Joints of different elements must be reinforced with special, FASSANET MAXI alkali-resistant, fiberglass reinforcing mesh, 160 g/m². When using alkali resistant fibreglass mesh, in order to minimise the risk of hairline cracks appearing, the mesh must not be attached directly to the wall, but rather immersed in the surface of the render. FASSANET MAXI is also highly recommended for application in any place where stress may be concentrated as well as on non-uniform or on irregular surfaces. Concrete surfaces, poorly-absorbent brick, non-uniform substrates with significant differences in absorption must be treated beforehand with S 650 undercoat.

Mixing

FASSACOUCHE is prepared using continuous render sprayers, such as FASSA, PFT, PUTZKNECHT, PUTZMEISTER, TURBOSOL and the like or by hand. For manual processing, pour the product into the corresponding amount of clean water (as indicated in the Technical Data table) and mix with a mechanical stirrer for no more than 2 minutes until the desired consistency is achieved. After mixing with water, the mortar must be applied within 30 minutes.

The product is applied to a thickness of minimum 15 mm, spraying from the bottom towards the top and then straightened with H floats or render knives, passing horizontally or vertically until a flat surface is obtained.

The scratched finish will require to increase the minimum thickness of the render of 2 mm more that will be removed in the scraping process.

To get the floated and sponge floated finishes apply the product in two layers using the "fresh on fresh" technique and finish the second layer to obtain the desired final effect, when the first layer has sufficiently hardened but is not completely dry.

FASSACOUCHE plaster/render is finished after several hours and in any case within 24 hours, using the following classic techniques: scratched, floated or sponge floated.



Warnings

- Product recommended for expert users.
- Always consult the safety data sheet before use.
- The fresh render must be protected against frost and quick drying. Use at temperatures between + 5°C and +35°C. A temperature of +8°C is suggested as a minimum value for application and to obtain proper hardening of the plaster. Below this value setting would be delayed considerably, and below 0°C the fresh or partially hardened plaster may be broken up by frost.
- Application in strong winds can cause the formation of cracks and "burning" of the render.
- Application of the product must be carried out strictly in accordance with BDA Agreement BAW-25-405-P-A-UK, the Certificate holder's instructions and the relevant recommendations of BS EN 13914-1 : 2016.
- Since natural sands are used, it is not possible to guarantee a uniform colour for different material deliveries.
- It is therefore recommended to acquire all the material required to finish the job from the same batch.
- If the substrate differs from those indicated in the "use" section, please contact our technical department to define the most suitable cycle.
- Do not create "guides" or "strips" of plaster/render prior to applying the product.
- For applications on all substrates not specified in the field of application, contact Technical Service.
- Do not apply FASSACOUICHE on substrates subject to rising damp.
- Do not apply FASSACOUICHE on gypsum-based substrates.
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- In order to limit colour discontinuity between the plaster/render and the corner guards, it is recommended to paint the latter with three coats of PX 505 paint, in a colour that is less intense than the chosen colour of the plaster/render.
- Leave a gap between the plaster/render and footpaths, floors and horizontal surfaces in general so as to avoid capillary absorption of water.
- Do not wet or touch up the product after application: this will cause discontinuities in colour.
- Do not use electric trowels to finish the surface of the product.
- The colour chart should be considered purely indicative. Verify the colour and application technique by creating a sample beforehand.
- Different surface application techniques can lead to variations in the perception of the same colour tone. Verify the colour and application technique by creating a sample beforehand.
- Possible colour variability is a unique characteristic of the product due to the nature of the raw materials used (natural sands). It is therefore recommended to acquire all the material required to finish the job from the same batch.
- Uniformity of colour is significantly influenced by the nature of the substrate, the drying conditions and the environmental temperature-humidity conditions. In order to limit variations in colour, a number of precautions can be taken:
 - avoid application in the coldest and most humid times of the year;
 - avoid applying the material on the same façade at different times (make suitable technical cuts or interruptions near joints, drain pipes and string courses);
 - avoid areas where parts of the same surface are in the shade and exposed to direct sunlight during application and when drying (in particular, the scaffolding should be shielded);
 - make sure the mixing methods, mixing time and percentage of mixing water remain constant: variations in these parameters may cause differences in the product colour shades.
- Applications with variable thicknesses of FASSACOUICHE can cause non-uniformity of colour.
- The "clouds" that distinguish the product and give it an antique appearance depend on the conditions in which the product is applied and cures, and are spread randomly across the surface.
- On façades facing in different directions and/or with different exposure to the sun, the final colour effect may not be uniform.
- To increase durability, a suitable and compatible protective product can be applied to the product when cured.
- For applications on uneven substrates, there is the chance that cracks may form.
- The surface appearance of the product may change over time due to the elements (precipitation, humidity), possibly causing more or less evident variations in colour, depending on the original colour. Streams of water following precipitation may cause surface whitening.

FASSACOUICHE it must be used in its original state without the addition of foreign materials.

Storage

Keep dry for a period not exceeding 12 months. Once the product has expired, it must be disposed of in accordance with the current legislation.

Quality

FASSACOUICHE is subjected to accurate and constant checks in our laboratories. The raw materials used are rigorously selected and controlled.



Colour range

Extra-white	
Lutece	
Ivoire	
Manhattan	
Champagne	
Provence	
Naples	
Luberon	
Trévisé	
Pêche	
Rose de Sable	
Caramel	
Istria	
Tuscania	
Pergamon	
Rognes	
Auvergne **	
Brique **	
Opal	
Gris perle	
Gris cendre	
Crème	
Pierre des Dolomites	

Please note that dark-coloured plasters/renders, with a solar radiation absorption coefficient greater than 0.7 are highlighted with **. Due to their greater absorption of solar radiation, dark-coloured plasters/renders require greater constraints and have wider thermal variations, with increasing shadow effects and visual perception of white haze. Application of these plasters/renders must be adapted to the humidity and temperature conditions. A temperature of +8°C is suggested as a minimum value for application.

The colours reproduced are purely indicative and may vary for reasons due to printing, reproduction and conversion of the images. It should also be noted that colour rendering is affected by several other factors, including, by way of example: natural light, which is not uniform or constant; artificial light, affected by the colour temperature of the light source or CCT - Correlated Color Temperature; and the colour of adjacent surfaces. The display of colours by computers is also affected by the user's display settings. For a more meaningful colour match, refer to the product samples contained in the Fassacouche colour chart.



Technical Data

Density of powder	1,250 ± 50 kg/m ³
Minimum thickness	15 mm
Granulometry	< 1.6 mm
Mixing water	24.5-26.5 %
Consumption (*)	approx. 13 kg/m ² when applied to a thickness of 10 mm
Density of the hardened product (EN 1015-10)	1,450 ± 100 kg/m ³
Compressive strength (EN 1015-11)	2.5-5 MPa
Water vapour diffusion resistance factor (EN 1015-19)	$\mu \leq 10$ (measured value)
Capillary water absorption coefficient (EN 1015-18)	W2
Adhesion after exposure to weathering cycles (EN 1015-21)	≥ 0.2 N/mm ²
Permeability after exposure to weathering cycles (EN 1015-21)	≤ 1 ml/cm ² (after 48h)
Thermal conductivity coefficient (EN 1745)	$\lambda = 0.48$ W/m·K (tabulated value)
Reaction to fire (EN 13501-1)	A1
Compliant with standard EN 998-1	OC-CSII-W2
BDA Agrément Certificate available	BAW-25-405-P-A-UK
(*) consumption of material varies depending on the type of finishing	

The above information refers to laboratory testing; it is possible that in practical applications on site these may differ considerably according to the conditions in which the material is applied. In any case the user must check that the product is suitable for the intended application, taking all responsibility for its use. Fassa reserves the right to make technical modifications without notice.

Technical specifications regarding the use of Fassa Bortolo products for structural or fire prevention applications will only be officially valid if provided by Fassa Bortolo's "Technical Service" and "Research, Development and Quality System". If necessary, contact Technical Service in your country of reference (IT: area.tecnica@fassabortolo.com, ES: asistencia.tecnica@fassabortolo.com, PT: assistencia.tecnica@fassabortolo.com, FR: bureau.technique@fassabortolo.fr, UK: technical.assistance@fassabortolo.com).

Please note that for the aforementioned products, the assessment is required by the appointed professional, in accordance with regulations in force.