

# FLEXYTHERM 11

## DATA SHEET

Ready-to-use fibre-reinforced skim coat paste



 Exteriors

 Plastic containers

 By hand

 Metal trowel

 Spray





### Composition

FLEXYTHERM 11 is a water-based skim-coat in paste form containing organic binders, mineral fillers, fibres and specific additives to improve workability and adhesion.

### Supply

- Buckets of 25 kg
- Colour: neutral

### Use

FLEXYTHERM 11 is used in exteriors for applying reinforced base coats on EPS panels in external thermal insulation composite systems.

### Substrate preparation

The surface must be free from dust and/or dirt etc. Any traces of oil, grease, wax etc. must be removed beforehand.

### Mixing

FLEXYTHERM 11 is mixed using a mechanical stirrer before use until you obtain a soft paste, workable by trowel. If necessary, adjust the mix by adding maximum 2% water.

Apply FLEXYTHERM 11 onto the thermal insulation panels using a stainless steel trowel, embedding an alkali-resistant fibreglass mesh in the first layer. Subsequent layers of material are applied after the previous layers have dried, with a total thickness of around 3 mm.

The material dries by simple evaporation of the water content in around 24-48 hours in normal conditions (20°C and 65% RH); with high humidity and low temperatures the product will take longer to dry.

The product can also be applied by machine using a plaster sprayer.



## Warnings

- The skim-coat must be protected against frost. During application and on the following drying days, protect the skim-coat against rain and high atmospheric relative humidity (fog) for at least 48-72 hours. A temperature of +5°C is suggested as a minimum value for application and proper hardening of the product. Below this value, setting would be delayed excessively and below 0°C the fresh or partially hardened product could be broken up by frost.
- Do not use on damp substrates.
- Do not use with silicate or mineral coatings.
- Only apply a thin layer.
- The technical data refer to the average characteristics of the basic product and are determined under controlled laboratory conditions; the use of natural raw materials may, for some supplies, lead to slight deviations in the reported values.
- The information provided on this technical datasheet is based on our technical and practical knowledge and experience. It is therefore necessary for the purchaser/user to personally verify, before application, the suitability of the product for the intended use for the specific work/site.

**FLEXYTHERM 11 it must be used in its original state without the addition of foreign materials.**

## Storage

PROTECT FROM FROST. Protect against direct sunlight (avoid exposure to temperatures over 35°C). If stored in a suitable environment, in its original closed packaging, the material has a shelf life of at least 18 months. Once the product has expired, it must be disposed of in accordance with current legislation.

## Quality

FLEXYTHERM 11 is subjected to accurate and constant checks in our laboratories. The raw materials used are rigorously selected and controlled.

## Technical Data

Specific weight	1,750-1,850 kg/m <sup>3</sup>
Thickness	approx. 3 mm
Granulometry	< 1.2 mm
Yield	approx. 5 kg/m <sup>2</sup>
Water vapour diffusion resistance factor (EN ISO 7783-2)	$\mu = 160-240$
Water vapour diffusion (EN ISO 7783-2)	0.4-0.6 m
Water permeability coefficient W (EN 1062-3)	< 0.10 kg/(m <sup>2</sup> ·h0.5)
Thermal conductivity coefficient	$\lambda = 0.7$ W/m·K (tabulated value)
Reaction to fire (EN 13501-1)	A2, s1-d0

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.technica@fassabortolo.com](mailto:area.technica@fassabortolo.com), ES: [asistencia.technica@fassabortolo.com](mailto:asistencia.technica@fassabortolo.com), PT: [assistencia.technica@fassabortolo.com](mailto:assistencia.technica@fassabortolo.com), FR: [bureau.technique@fassabortolo.fr](mailto:bureau.technique@fassabortolo.fr), UK: [technical.assistance@fassabortolo.com](mailto: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.