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 to make reinforced skim coats with high impact resistance in thermal insulation ETICS systems with EPS panels. It can be used to restore synthetic coats by means of reinforced skim coats and can also be used to make skim coats on concrete.

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 using a stainless steel trowel, embedding 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 3-5 mm.
On concrete, any traces of oil, grease, wax, anti-evaporation agents etc. must be removed beforehand. If the surface is dusty or particularly absorbent, we recommend prior application of MIKROS 001 high-penetration micro-emulsion primer or FA 249 fixing primer for acrylic system products (see technical data sheets).
If the surface is smooth, slightly roughen the substrate, remove dirt, dust and any processing residues, then apply MIKROS 001 high-penetration micro-emulsion primer or FA 249 fixing primer for acrylic system products.
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.

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Warnings

- Product recommended for expert users.
- Always consult the safety data sheet before use.
- Wear protective gloves and garments, and in the event of contact with the skin wash with plenty of water and soap.
- Use water to clean tools.
- Wash water from tools and any product residues must not be released into the environment or discharged into domestic drains. The recipient/product/wash water must be disposed of in accordance with national laws.
- The skim-coat must be protected against frost. During application and in the days immediately following drying, protect the skim coat against rain and high atmospheric relative humidity (fog) for at least 42-96 hours.
- For proper hardening of the product, a temperature of +5 °C is recommended as the minimum value for application; below this value, drying would be excessively delayed and below 0 °C the still fresh or partially hardened product may be broken up by frost.
- We recommend applying the product at an RH of less than 75%; beyond this threshold, setting times may be considerably longer than indicated.
- Do not use on damp substrates.
- Do not use with silicate or mineral coatings.
- 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 the 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/m³
Thickness	3-5 mm
Granulometry	< 1.2 mm
Yield	approx. 5-8 kg/m²
Water vapour diffusion resistance factor (EN ISO 7783-2)	μ = 160-240
Water vapour diffusion (EN ISO 7783-2)	0.4-0.6 m
Water permeability coefficient W (EN 1062-3)	< 0.10 kg/(m²·h0,5)
Thermal conductivity coefficient	λ = 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.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.

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