

# CX-28

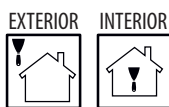
## ETICS SYSTEM



### ISOLXTREM® SYSTEM

## POLIESTIREX

Microfibre mortar in powdered form made from a cement base with high adherence and excellent covering and filling power. Indicated for gluing polystyrene and mineral wool and the subsequent plastering of these substances.



CODE (EN 16566):

**G3S3V3W3A0C0R0**

### SUBSTRATES

Cement, stone, fibrocement, brick, absorbent substrates, insulation panels made of polystyrene and mineral wool.

### PROPERTIES AND USES

- Microfibre product.
- Normal hardening.
- Easy to apply.
- Can be applied as a thin coat.
- Can be applied as a thick coat.
- Great adherence.
- Highly resistant finish.
- Low retraction.
- Coating used in thermal and sound insulation systems.
- Indicated for gluing and plastering polystyrene insulation panels.
- Cavity filling.



MAXIMUM THICKNESS PER COAT  
5 mm for unlimited plastering  
and filling in gluing





### USE IN CONSTRUCTION

#### PREPARING THE SUBSTRATE

The substrate must be sound, clean, consistent, free from damp and all traces of saltpetre, fungi, micro-organisms, dust, grease and any type of material that could prevent the product from adhering to it correctly.

#### DIRECTIONS FOR USE

Mix with clean water in a proportion of 22%. Use 5.50 litres of water for every 25-kg bag. ALWAYS MIX ADDING THE POWDER TO THE LIQUID (water) AND NOT THE OTHER WAY ROUND. (See photo no. 1). I.e., first put the clean water in a container and then add the necessary amount of powder, following the instructions.

The mixing can be done manually or mechanically with an electric mixer. (See photo no. 2).

Then leave the resulting paste to stand for 5 minutes and apply the product to the substrate using a trowel or a spatula. (See photos 3 and 4)



1. Adding CX-28 Isolxtrem Poliesticre to the water



2. Mixing CX-28 Isolxtrem Poliesticre



3. CX-28 Isolxtrem Poliesticre: appearance after mixing



4. Applying CX-28 Isolxtrem Poliesticre to EPS



### USE IN CONSTRUCTION

#### GLUING EPS PANELS TO THE SUBSTRATE

Gluing of expanded polystyrene (EPS) panels is done by applying the paste to the entire edge of the panel with a width of approximately 5 - 7 cm and then applying 2 - 3 "lumps" in the centre, leaving a separation of about 10-15 cm between them. (See photo no. 5). After applying the material, press the panel firmly against the absorbent substrate for a few seconds. (See photo no. 6).



5. Gluing the EPS panel



6. Placing the panel on the substrate

#### GLUING MINERAL WOOL PANELS TO THE SUBSTRATE

Mineral wool panels are glued applying a first coat of CX-28 Isolxtrem Poliestirex to the whole of their surface using the same technique as plastering. (See photo no. 7).

Then proceed in manner described above for the EPS panel. (See photo no. 8)



7. Plastering the mineral wool panel



8. Gluing the mineral wool panel



### USE IN CONSTRUCTION

#### PLASTERING THE PANELS

Plastering of EPS or mineral wool panels is done by applying CX-28 Isolxtrem Poliestirex using a trowel. Plastering should always be performed vertically, working upwards and continually applying new material, while removing superfluous material. Joints should be plastered in the opposite direction; i.e. with downward strokes. (See photos 9 and 10).



9. Plastering the panels



10. Plastering the panels

After applying the first coat, and before it sets, put the RG-116 Isolxtrem reinforced mesh in place, pressing it lightly with a spatula or the trowel until it penetrates the first coat of CX-28 Isolxtrem Poliestirex. Then add another coat of the product on top, to cover it completely. (See photos 11 and 12)



11. Putting the reinforced mesh in place



12. Plastering over the reinforced mesh

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#### TECHNICAL CHARACTERISTICS

Useful life (AS PER ITE CI/51-L)	2 - 3 hours	Thermal conductivity (AS PER UNE-EN 1745:2002)	0.49 W/mK
Grain size	700 µm - Coarse	Cleaning of tools	With water
pH (AS PER ITE CI/18-L)	13 - 14	Through-drying times (AS PER ITE CI/52-L)	7 - 8 h on concrete, with a coat of 2 mm
Shore hardness C (AS PER ITE CI/22-L)	80	Density (AS PER ITE CI/53-L)	Powder: 1.35 g/ml Paste: 1.85 g/ml
Traditional setting (AS PER ITE CI/51-L)	5 - 6 hours	Yield (AS PER ITE CI/62-L) kg/m <sup>2</sup> in applied thickness of 1 mm	Powder: 2.00 - 2.10 Paste: 2.30 - 2.50
Mean apparent density value when dry (AS PER UNE-EN 1015-10)	1450 kg/m <sup>3</sup>	Water vapour permeability coefficient (AS PER UNE-EN 1015-19)	3.01 µ
Adherence (AS PER ITE CI/34-L) with force-measuring instrument 1210 AE - 5kN-B on cement substrates / coat of paint of 2 mm		Initial adherence (28d): Higher than 1.2 MPa	
		Ageing due to heat: Higher than 1.2 MPa	
		Immersion treatment: Higher than 0.4 MPa	
Bending and compression resistance (AS PER UNE-EN 1015-11)		Average resistance to bending: 4.1 N/mm <sup>2</sup>	
		Average resistance to compression: 12.7 N/mm <sup>2</sup>	
		Classification: CS IV	
Water absorption due to capillarity action (categories) as per UNE-EN 1015-18		Water absorption coefficient (10 and 90 min): 6.25 x 10 <sup>-5</sup> Kg/(m <sup>2</sup> min <sup>0,5</sup> )	
Permeability to water following water absorption due to capillarity action test (AS PER UNE-EN 1015-21) ml/cm <sup>2</sup> 48 h		thickness of 1 cm	Concrete substrate: 0.096

#### PACKAGING

FORMAT	25 kg
UNITS PER BOX	—
PALLETS	48 BAGS

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### USEFUL INFORMATION

The **ISOLXTREM** line manufacturing process is controlled by batches, thus permitting traceability in the event of an incident. The quality system used includes the design of each of the articles and controls in manufacturing it, on both the raw materials used, thus strengthening uniformity of manufacture and on the final product obtained. The use of ecotechnologies in the manufacturing processes of our premises enable the work to be performed efficiently and without harming the environment.

- Non-flammable product.
- Prevent the product from coming into contact with skin and eyes.
- It is prohibited to smoke, eat and drink in the application area.
- Comply with the occupational hygiene and safety legislation.
- Store the product in a dry place in its original containers and keep tightly closed.
- Store containers at between 5 °C and 35 °C.
- Recommended storage time: 12 months from the date of manufacture.

For more information about protection measures and first aid, consult the Product Safety Data Sheet.

### OBSERVATIONS

- To ensure the adequate and correct use of the product, read the technical data sheet before use.
- The information furnished in this technical data sheet was obtained under normal laboratory conditions and on standardised substrate. It may vary depending on the site conditions (substrate absorption, thickness applied, mixing water, temperature and ambient humidity).
- The working conditions of users fall outside our control.
- Do not use the product for any purposes other than those specified. You are recommended to carefully follow the directions for use.
- It is essential to inspect the state of the substrate base before each application.
- Use the product within its period of useful life. If used after this period, negative properties may result.
- The established periods for the useful life and setting of the product are calculated under normal laboratory conditions, and are given as a guide and may vary, depending on the ambient conditions.
- Do not mix with any material, as it will not maintain its technical characteristics.
- Do not apply to non-absorbent substrates.
- Do not apply the product in unfavourable weather conditions (strong wind, risk of rain or freezing).
- Repaint with paint that is permeable to water vapour and resistant to alkalinity.
- Supports traditional water-based paint finishes. In the event of doubt, we recommend performing a test on the plaster before painting.
- It is not advisable for the **ISOLXTREM** range plaster products to be exposed to permanent conditions of heat, as their mineral components do not contain clay or fire-resistant materials. For this reason, they must not be applied to reheated substrates.
- Do not wet the substrates. The **ISOLXTREM** product range retains the mixing water, which makes them easy to work with, without them becoming detached.
- The **ISOLXTREM** components are generally hygroscopic and absorb moisture from the air.
- Always apply in favourable conditions of ambient relative humidity.
- It is not advisable to apply the product to paint.
- Our technical sales staff will advise you if you have any doubts or queries.