

## Technical sheet: **IsoTex R70**

### Properties and method of use

- plastering of all types of masonry materials, especially brick substrates, aerated concrete and concrete fittings
- during renovation and additional insulation, it can be applied directly to coarse-grained plasters of the Brizolit type
- limiting heat loss from the building due to the thermal resistance of the structure
- limiting heat loss from the building due to thermal bridges in the walls
- does not prevent moisture from escaping from the masonry due to the water vapor diffusion resistance factor
- machine and manual plastering in outdoor and indoor environments

### Composition

Portland cement, mineral fillers, lightweight fillers, chemical additives.

### Technical parameters

Thermal insulation render for external render (T) according to EN 998-1: 2003, category CSI, W2, T1 applied by hand			
Compressive strength (Category CS I)	> 0.4 MPa	Bulk density of hardened mortar	400-410 kg/m <sup>3</sup>
Adhesion - tear-off method (B)	> 0.04 MPa	Thermal conductivity coefficient $\lambda$	< T1
Water vapor diffusion resistance factor $\mu$	< 8 (EN 1745)	Processing time	60 minutes.
Reaction to fire	A1		

Informative applied by hand	
Graininess	0.125 - 2mm
Amount of mixing water	0.5-0.55 l/kg
Coverage at 10 mm layer	4.0-4.5 kg/m <sup>2</sup>
Recommended maximum thickness of one layer	20 mm
Maximum plaster thickness	According to static assessment
Minimum substrate, air and plaster temperature	5°C

Thermal insulation render for external render (T) according to EN 998-1: 2003, category CSI, W2, T1 machine-applied			
Compressive strength (Category CS I)	> 0.4 MPa	Bulk density of hardened mortar	350 - 400 kg/m <sup>3</sup>
Adhesion - tear-off method (B)	> 0.04 MPa	Thermal conductivity coefficient $\lambda$	< T1
Water vapor diffusion resistance factor $\mu$	< 8 (EN 1745)	Processing time	60 minutes.
Reaction to fire	A1		

Informative machine-applied	
Graininess	0.125 - 2mm
Amount of mixing water	By type of plastering machine l / kg
Coverage at 10 mm layer	4.2 kg/m <sup>2</sup>
Maximum thickness of one layer	20 mm
Maximum plaster thickness	According to static assessment
Minimum substrate, air and plaster temperature	5°C

NOTE: Technical parameters are determined under normal conditions (20 ± 2) °C and (65 ± 5) °C

### Substrate preparation

The substrate must be solid and load-bearing, free from dust, paint residues, lime and grease. It must not be water-repellent. If the current substrate has been provided with a top coat in the past, it must be removed mechanically to the original plaster, or down to the underlying masonry. Scraping machines with appropriate application discs are suitable for removing such layers. For damaged, crumbly substrate layers, it is necessary to apply a reinforcing lime-cement or cement reinforcing layer and a penetration coat. The masonry must be sufficiently mature, without volume changes. **Absorbent substrates must be primed before application - FixPlus / StuccoPrimer.** In order to maintain the flatness of the facade, we recommend always applying the plaster between the plaster strips.

### Processing

**a) Manual application** - The plaster is mixed in the prescribed amount of mixing water using a hand mixer for at least 4 minutes, until a homogeneous consistency, without lumps. Let the mortar mixture stand for 5 minutes, and then mix thoroughly again. Do not mix in a gravity mixer!

**IMPORTANT!** To ensure a homogeneous consistency of the mortar during application, it is necessary to use the entire contents of the bag. When applying plaster to a larger area, it is recommended to always mix at least 3 bags of plaster in a suitable container, which we will start applying to the wall. When approximately the last third of the mortar remains in the container, mix in another two bags of plaster and mix the mixture with water again to a homogeneous consistency. Partial use of the contents of the bag is not permissible. An indicator of properly prepared mortar is its uniform density without lumps and its ability to stay on an inverted metal trowel or spoon.

During application, we adjust the plaster with a plastic trowel. IsoTex R70 plaster has a "lamb" effect with a grain thickness of up to 2mm. After 48 hours, it is recommended to apply a primer under the FixPlus coating and then apply the ThermoShield® coating.

**b) Machine application** - The following settings apply to the application of thermal insulation plasters when using plastering machines with an integrated mixing zone:

- Nozzle: No. 16
- Water column height: 400-500

### WARNING :

- EN 13914-1 applies to the design, preparation and implementation of external renders
- Additional addition of binders, fillers and other additives or sieving of the mixture is not permitted.
- The mixture can only be processed **at air and substrate temperatures from +8°C to 25 °C !!!** Do not use when frost is expected!

- To mix the mixture, it is necessary to use drinking water or water complying with EN1008.

- Product disposal: Dispose of used packaging at an authorised waste disposal site. Allow unused material to harden and dispose of at a municipal waste disposal site. Own preparation - waste code 101311 Waste from other mixed materials not mentioned in 101309 and 101310. Cured material - waste code 170904 Mixed construction and demolition waste not mentioned in 170901, 170902 and 170903.

### First aid

If health problems occur or in case of doubt, notify your doctor.

If inhaled, move the affected person to fresh air; if breathing difficulties occur, seek medical attention.

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In case of skin contact, wash the skin with clean water and soap. Treat irritated areas with a repair cream.

In case of eye contact, immediately rinse with clean water for 15 minutes with the eyelids open and then seek medical attention.

If swallowed, rinse mouth with water, drink 0.5 liters of water and seek medical attention. Do not induce vomiting.

The product may cause an allergic reaction on skin contact. If symptoms of any irritation caused by contact with the product persist after first aid, seek medical attention.

Store out of reach of children!

### Safety and hygiene regulations



Signal word: **Danger**

H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P261 Avoid breathing dust.  
P280 Wear protective gloves/protective clothing/eye protection/face shield.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310: Immediately call a POISON CENTER or doctor/physician.  
P302+P352: IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs, seek medical advice.  
P333+P313: Get medical advice/attention.  
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P501 Dispose of contents/container to a collection point designated in accordance with local regulations.

### Storage

Store the product in a dry place in its original packaging - protect from damage, water and high relative humidity. If the above conditions are met, the shelf life is 12 months from the date indicated on the packaging.

### Expedition

The dry mix is delivered in paper bags on pallets covered with foil.

### Made

in the EU for SICC Coatings GmbH

### Validity

From 08.07.2025

As the use and processing of the product is beyond our direct influence, we are not liable for damage caused by its incorrect use. We reserve the right to make changes resulting from technical progress.