

TECHNICAL DATA SHEET **IsoTex R70**

Product Description

IsoTex R70 is a purely mineral dry insulating plaster in accordance with DIN 998-1.

Ingredients

White cement, calcium hydroxide, mineral fillers, mineral additives

Product Group / GIS Code

ZP 1

The information in the current safety data sheet applies.

Scope of application

Plastering of masonry of all kinds such as brick substrates, aerated concrete and concrete in building construction to improve the insulating properties of the building construction.

Product-specific properties

Thermal insulation plaster for exterior and interior surfaces according to DIN EN 998-1:2003, category CSI, W2, T1, alkaline, resistant to mould and algae, biocide free, without polystyrene, permeable, water-repellent

Material characteristics

Compressive strength (class CS I): > 0.4 MPa

Adhesion -Tear-off Method (B): > 0.4 Mpa

Water vapour diffusion resistance factor: $\mu > 8$ (EN 1745)

Density of the hardened mortar: 360-410 kg/m³ (depending on the application)

Thermal conductivity coefficient λ : < T1 (= 0.0743 W/(m*K))

Reaction to fire : A1/ non-combustible

Mixing water quantity: 0.5-0.6 l/kg

Yield at a layer thickness of 10mm: 4.0-4.5 kg/m²

Recommended minimum plaster thickness of a plaster layer: 20mm

Processing time after mixing: 60 min.

NOTE: Technical parameters are determined under standardised conditions (20 ± 2) °C and (65 ± 5) % rev. humidity.

Substrate preparation

The substrate must be firm and load-bearing, free of dust, paint residues and grease. Must not be water-repellent. In the event that the current substrate has been provided with an opaque coating in the past, it must be mechanically removed except for the original plaster or even the underlying masonry. Plaster milling machines with appropriate grinding wheels are suitable for removing such layers. In the case of damaged base courses, the application of a mineral reinforcement layer is necessary. Absorbent substrates must be primed before use – FixPlus / StuccoPrimer. In order to comply with dimensional and surface tolerances of the plaster surface to be created, we recommend the use of plaster profiles.

In the case of surfaces at risk of cracking, such as material transitions and/or plasterable fixtures, a plaster fabric with a mesh size of 7 mm must be embedded in the upper third of the plaster.

Processing

Manual processing

To ensure a homogeneous consistency of the mortar when applying, it is necessary to use the entire contents of the bag. For larger areas, it is recommended to mix with a forced mixer or continuous mixer. Do not mix in the free-fall mixer!

Pour the entire contents of one container into approx. 5 litres of mixing water and mix with a hand mixer for at least 4 minutes to form a homogeneous, lump-free mortar. Let the mortar mixture stand for 5 minutes and then mix thoroughly again.

Partial use of the contents of the bag is not permitted.

If applied by hand, first apply a thin layer of mortar with a trowel and then start with the trowel. Then peel off the mortar with a plaster batten.

In the case of multi-layer processing, the individual plaster layers must be roughened.

For smoothing, IsoTex R70 can be felled with a damp sponge board, creating a slight textured plaster effect.

For a fine smooth plaster structure, use IsoTex F50 as the top plaster layer. See TM IsoTex F50.

Tools must be cleaned with water.

Machine processing

The IsoTex R70 can be processed with all common plastering machines. As long as they have suitable equipment for insulating plasters (insulating plaster mixed spiral).

There are some general recommendations.

From a wet conveying hose length of more than 10 metres, we recommend using an NW35 wet conveying hose from the plastering machine and covering a maximum of the last 10 metres with a NW25 wet conveying hose.

Before starting up the plastering machine, the wet conveyor hose must be filled with mixed commercially available wallpaper paste. The start-up should be carried out with a water column of 400-500 ml/h. The consistency of the mortar must be checked at the outlet of the machine and before connecting the wet conveying hoses.

In the event of work interruptions of more than 15 minutes, the machine and hoses must be closed empty and cleaned.

General Attention:

EN 13914-1 applies to the planning, preparation and execution of exterior plasters

Additional addition of binders, fillers and other ingredients or sieving of the mixture is not permitted.

The mixture can only be applied at air and substrate temperatures of + 5 °C. Do not use if frost is expected!

Drinking water or water in accordance

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with EN1008 must be used to mix the mixture.

Consumption

4.0-4.5 kg/m² with a layer thickness of 10mm.

Storage and transport

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

Delivery form

10 kg in bags, EURO pallet of 60 bags.

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

Disposal

Dispose of the used packaging in an approved landfill. Allow the unused material to harden and dispose of it in a municipal landfill. Own processing - waste codes 101311 wastes from other mixed materials not listed under numbers 101309 and 101310. Cured Material - Waste Key 170904 Mixed Construction and Demolition Waste not listed under numbers 170901, 170902 and 170903.

Safety instructions

First Aid

In case of health problems or in case of doubt, notify the doctor.

If inhaled, bring the affected person out into the fresh air, seek medical help if breathing difficulties occur.

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

In case of contact with the eyes, immediately rinse the eyelids with a stream of clear water for 15 minutes. and then seek medical attention.

If swallowed, rinse the mouth with water, drink 0.5 liters of water and consult a doctor. Do not induce vomiting.

The material can cause an allergic reaction if it comes into contact with the skin. If the symptoms of an effect (irritation) caused by contact with the product do not disappear after initial treatment, consult a doctor.

Safety and hygiene regulations



Warning word: danger

H315 Irritates the skin.

H318 Causes severe eye damage.

H335 May irritate the respiratory tract.

P101 If medical attention is required, have the container or manufacturer's label ready.

P102 Keep out of reach of children.

P261 Avoid inhalation of dust.

P280 Use protective gloves/protective clothing/goggles/face shield.

P305+P351+P338: IN CASE OF CONTACT WITH EYES: Rinse gently with water for a few minutes. If worn, remove

contact lenses and remove them if possible. Keep rinsing.

P310: Call a POISON CENTER or doctor immediately.

P302+P352: IN CONTACT WITH SKIN: Wash with plenty of soap and water. For skin irritation or rash

P333+P313: Seek medical advice.

P304+P340: INHALE: Move the person to fresh air and hold it in a position that makes it easier to breathe.

P312 If you feel unwell, call a POISON CENTER or a doctor.

P501 Dispose of contents/packaging at a collection point designated in accordance with local regulations.

Manufactured

in the EU for SICCO Coatings GmbH, Wackenbergstr. 78-82, 13156 Berlin, E-Mail: info@sicc.de

Validity

From 08.07.2025

Since the use and processing of the product is not directly under our control, we are not liable for any damage caused by improper use. We reserve the right to make changes due to technical progress.