

Technical Data Sheet

SiliGrout (ICCP)

Acid-resistant mineral-based ICCP grout



Description

This 100% inorganic grout is acid-resistant and consists of mineral binders and silica fillers. The mortar hardens by internal chemical action, producing an insoluble silica gel. It is resistant to most acids and salts and completely inert to all organic solvents. It is used for discrete anodes in impressed current cathodic protection of steel in concrete.

Application features

- silicate technology
- environmentally friendly
- mineral based
- very low emissions – EC 1PLUS R
- fast-curing and tension-relieved
- high flowability
- high abrasion resistance
- easy application
- machine-processable

Note: Reseal opened containers immediately and use within a short period. The product can be stored in its original packaging for 12 months in a dry, temperature-controlled area (recommended temperature: 10–25°C).

Applications

Prior to application, ensure that the surface is stable and has sufficient tensile strength. The surface should also be ready for coating, dry or matt-damp, clean and free from debris, grease and dust.

The adhesive strength of the substrate must be at least 1.5 N/mm². The application must be protected from drying too quickly (due to draughts or intense heat from the sun) for at least 24 hours.

There is no mandatory hazard labelling for SiliGrout. Avoid inhaling dust when opening packaging. Protect skin and eyes during the mixing process.

CE 1410 EN	EN 13813 CT-C40-F10-A15
SELF-LEVELING MINERAL BASED MORTAR	
FIRE BEHAVIOUR	A1
COMPRESSIVE STRENGTH	C40
FLEXURAL STRENGTH	F10
RELEASE OF CORROSIVE SUBSTANCES	CT

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TECHNICAL DATA

MIXING RATIO	4–4.5 LITRES OF WATER PER 25 KG OF POWDER
PROCESSING TIME AT 20°C	APPR. 40 MIN.
PROCESSING TEMPERATURE	+5°C TO +35°C
LOADABILITY	APPROX. AFTER 4 HOURS
COMPRESSIVE STRENGTH	40 N/MM ² (> 28 DAYS)
FLEXURAL TENSILE STRENGTH	12 N/MM ² (> 28 DAYS)
SPECIFIC GRAVITY	FRESH MORTAR 2.0 G/CM ³
CONSUMPTION	APPROX. 1.8 KG/M ² PER 1MM THICKNESS
LONG-TERM RESISTANCE TO	SALTS THAT MAY HARM BUILDING FABRIC, OILS, GREASES AND ACIDS

All technical data stated in this Technical Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control. The information and, in particular, the recommendations relating to the application and end-use of CorrPRE's products, are given in good faith based on CorrPRE's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with CorrPRE's recommendations.

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