

NEW

Ceresit

CL 72



UltraPox FlexSeal

Flexible, 2-component epoxy resin surface sealer under ceramic coverings

PROPERTIES

- ▶ National technical approval for moisture exposure classes A, B, C
- ▶ Resistant to chemicals
- ▶ Waterproof
- ▶ Crack-bridging
- ▶ Flexible
- ▶ Solvent-free

General Appraisal Certificate no.:
P-220009283-11, PG AIV-F,
MPA, NRW

TYPICAL USES

CL 72 is used for protecting the surface against the penetration of water and the aggressive effects of acids and bases. It provides flexible, chemical-resistant, seam- and jointless sealing under ceramic tiles and slabs. It is suitable for use e.g. in showers, public swimming baths, toilets, car washes, wet rooms, on balconies and terraces, in commercial kitchens, abattoirs, dairies and in facilities operated by the beverage, paper, leather, textile and chemical industry. CL 72 can be used on surfaces such as concrete, cement screeds, wall plasters of mortar groups CS II to CS IV, sanded mastic asphalt screeds (indoors), tile coverings, heated screeds, chipboards, flush-jointed brickwork and floor levelling compounds. Not for use on surfaces that are constantly exposed to rear surface moisture.

SUBSTRATE PREPARATION

Use CL 72 only on solid, load-bearing, clean and dry surfaces that have been primed with CL 71. Please also refer to the Technical Data Sheet of CL 71.



Mechanically remove cement slurries and impervious, smooth surface layers. Pretreat the surface by sand-blasting, grinding or milling. Concrete (at least 3 months old) and cement screeds (at least 28 days old), dry, with an equilibrium moisture content of $\leq 4\%$ and good surface key, as well as sanded mastic asphalt screeds can be sealed directly. The surface strength must match the expected dynamic, static and thermal stresses. If necessary, renew the surface.

APPLICATION

CL 72 is a 2-component product supplied in a single container. Mix the two components A + B (resin + hardener) at a mixing ratio of 3 : 2 parts by weight. Use an electric drill with spiral mixing paddle at a speed of approx. 400 rpm until a homogeneous mixture is obtained. Make sure to produce a uniform colour without streaks.

The primer (CL 71) must have cured before application of the sealant (CL 72). If the surface is sealed within 1 to 3 days, CL 72 can be applied directly, i.e. without sanding the priming coat.

After mixing, CL 72 must be used within the pot life of approx. 45 minutes (+20 °C). Apply the sealant undiluted by means of a brush, broom or roller. To ensure a reliable sealing effect, it is necessary to apply at least two coats (total dry layer thickness: 1 mm). The first coat must have dried (approx. 16 hours curing time) before the second coat can be applied. Make sure to apply the second coat within 48 hours after application of the first coat. Within 1 to 3 days, tiles or slabs can be installed with UltraPox products directly on the sealing layer. If the tiles or slabs are installed at a later date, the last coat of CL 72 must be sprinkled over its entire surface with fire-dried quartz sand (grain size 0.3-0.7 mm, e.g. H 33) while still fresh. Before installing the tiles or slabs, completely remove any loose sand.

Alternatively, it is also possible to use cementitious tile adhesives like CM 17, CM 18, CM 29, CM 90 or CM 92 (only indoors). In these cases, however, it is always necessary to sprinkle the sealing coat with sand. Movement and edge joints (wall/floor connection) must be sealed with CL 52 sealing tape. The tape is placed into the first coat and sealed over with the second coat. Install pipe passages and floor drains that are equipped with sealing flanges. Use CL 72 to embed the flanges into the surface sealing.

Excess material can be removed within the pot life while still fresh, e.g. with CE 51 Epclean, but cured material can only be removed mechanically.

PLEASE NOTE

Use CL 72 only in dry conditions, at surface and air temperatures of +10 °C to +30 °C and below 80 % relative humidity. With non-absorbent substrates, the surface temperature must be at least 3 °C above the dew point.

- Clean the tools with solvent immediately after use.
- Pot life and curing time are temperature-dependent. Higher temperatures speed up the curing reaction and

so reduce pot life while lower temperatures slow the curing reaction and hence prolong pot life.

Please also note the following technical information:

- Safety Data Sheet
- Technical Data Sheets of other Ceresit products
- Special information about GISCODE RE1 issued by the Builders Trade Association

Should you need support or advice, please consult our advisory service for architects and craftsmen.

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TECHNICAL DATA

Material base:	Epoxy resin GISCODE RE 1
Density:	1.2 kg/dm ³
Mixing ratio:	A : B = 3 : 2 parts by weight
Working time:	Approx. 45 minutes
Curing time:	Approx. 16 hrs
Application temperature:	+10 °C to +30 °C
Adhesive tensile strength:	> 3 N/mm ²
Elongation at break:	Approx. 75 %
Tensile strength at break:	5.5 N/mm ²
Modulus of elasticity:	Approx. 280 N/mm ²
Chemical resistance (full cure):	After approx. 7 days
Consumption:	Approx. 1.3 kg/m ² /mm
Colour:	Grey
Shelf life:	Approx. 12 months if stored in a tightly sealed container in a frost-free and dry place. Use up opened containers as soon as possible.

Comp. A: EU VOC content limit value for this product (cat. A/i): 550 g/l (2007); 500 g/l (2010).

This product contains max. 0 g/l.

Comp. B: EU VOC content limit value for this product (cat. A/i): 550 g/l (2007); 500 g/l (2010).

This product contains max. 0 g/l

The above information, in particular recommendations for the handling and use of our products, is based on our professional knowledge and experience. As materials and conditions may vary with each intended application and thus are beyond our control, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for the intended application method and use. Legal liability cannot be accepted on the basis of the contents of this technical data sheet or any verbal advice given unless there is evidence of wilful intent or gross negligence on our part.

This technical data sheet supersedes all previous editions.

Apart from the information given in this technical data sheet, it is also important to observe the relevant guidelines and regulations of various organizations and trade associations as well as the applicable DIN standards.

All data given was obtained at an ambient and material temperature of +23°C and 50 % relative humidity unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.



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