

# Ceresit

## KERTSCHER

# CK 742

## Epoxy Floor Coating 2C

Solvent-free epoxy resin dispersion

### CHARACTERISTICS

- ▶ high opacity, open to vapour diffusion
- ▶ hardly yellowing, abrasion-proof
- ▶ oil- and petrol-resistant
- ▶ economical use
- ▶ for indoor and outdoor floors subject to mechanical/chemical stress

### SCOPE OF USE

CK 742 Epoxy Floor Coating 2C is a coloured, solvent-free epoxy resin dispersion used for the permanent and low-maintenance coating of garages, multi-storey car parks, production and assembly halls, wastewater treatment plants, hangars, salt and fertilizer stores, loading ramps etc.

### SUBSTRATE PREPARATION

Use CK 742 Epoxy Floor Coating 2C only on clean, dry, solid and load-bearing concrete floors, cement screeds, anhydrite screeds, floor levelling compounds and rigid epoxy coatings that are free of substances which may impair adhesion. Substrates must have a minimum age of 28 days (concrete: 3 months) and a residual moisture of  $\leq 2$  weight-% (anhydrite screed  $\leq 0.5$  wt.-%).

The surface strength must be up to the expected loads (concrete grade  $\geq$  B 25, cement screed  $\geq$  ZE 30, anhydrite screed  $\geq$  AE 30, floor levelling compounds: compressive strength  $\geq 30$  N/mm<sup>2</sup>). Completely remove any surface contamination. The contact areas must be rough, open-pored, have a good key and be free of dust. Prepare cement screed or concrete by milling or sandblasting.

Grind down anhydrite screeds, epoxy coatings and, if required, also floor levelling compounds and free them from dust.

Please make sure that the substrate temperature is at least 3 °C above the dew point.



### APPLICATION

CK 742 Epoxy Floor Coating 2C consists of two components supplied in a combipack. Add the hardener (component B) to the resin (component A) in the predetermined mixing ratio. Mix with an electric drill and stirrer attachment at approx. 400 rpm until the mixture is lump-free. Take care to produce a uniform colour without streaks. Observe the pot life – it strongly depends on the temperature.

If high aesthetic requirements need to be met, it is necessary to apply one priming coat and two top coats.

When using CK 742 Epoxy Floor Coating 2C as a primer, dilute with water (10 %) and brush vigorously into the substrate to ensure uniform wetting. Any further coats can be applied with a short-pile roller (use a paint grid).

Take care to avoid the formation of puddles when applying both the priming and the top coats.

If a non-slip surface is to be produced, sprinkle the CK 742 coated surface with fire-dried silica sand, silicon carbide or aluminium oxide abrasive (corundum). Only use clean and dry dressing material. Select a suitable grain size so that the material will not completely sink into the coating. Depending on the desired layer thickness, it may be necessary to apply an additional thin coat. Wait until the basic coat has dried and then apply the thin coat within approx. 1–2 days. Completely remove any loose dressing material after hardening.

To facilitate cleaning and achieve a better sealing effect, it may be advisable to apply a thin top coat of CK 742 Epoxy Floor Coating 2C. This does not affect the durability, skidproofness and wear resistance of the surface.

## PLEASE NOTE

Fresh material can be removed within the pot life, e.g. with turpentine substitute. Hardened product residues can only be removed mechanically. Observe the warnings-, safety- and waste disposal advice given in the safety data sheet.

**Should you need support or advice, please consult our advisory service for architects and craftsmen on the hotline numbers**

**Phone: +49 211 797 0**

**Fax: +49 211 798 2148**

## TECHNICAL DATA

Material base:	epoxy resin GISCODE RE 1
Colour:	dust grey
Density (unfilled):	1.4 g/cm <sup>3</sup>
Mixing ratio:	component A : B = 5 : 1 parts by weight
Working time:	max. 60 min depending on the ambient temperature
Application temperature:	+10 °C to +30 °C
Waiting time between coats:	3 to 6 hrs (max. 24 hrs)
Ready for foot traffic:	after 24 hrs
Load-bearing strength:	after 3 days
Chemical and mechanical resistance:	after 7 days
Required amount:	250 g/m <sup>2</sup> per coat
Temperature resistance:	moist up to +80 °C dry up to +150 °C
Shelf life:	Approx. 12 months if stored tightly closed in a frost-free and dry place. Use up opened containers as quickly as possible.

**Komp. A:** EU VOC limit value for this product (cat A/j):  
140 g/l (2007); 140 g/l (2010).

This product contains max. 5 g/l.

**Komp. B:** EU VOC limit value for this product (cat A/j):  
140 g/l (2007); 140 g/l (2010).

This product contains max. 0 g/l.

Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards of the German Standards Institute (DIN). The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23 °C and 50 % relative air humidity unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.

Henkel AG & Co. KGaA – Bautechnik  
Henkelstraße 67 · D-40589 Düsseldorf  
Telefon +49 211 797 0 • Telefax +49 211 798 2148  
Internet: www.ceresit.com · E-Mail: ceresit.bautechnik@henkel.com

