

CL 50



»EXPRESS 2-K«

Flexible waterproofing protection coat

CHARACTERISTICS

- ▶ For swimming pools, terraces, balconies
- ▶ Tiling after 5h
- ▶ Easy to apply with roller, paint brush or trowel



SCOPE OF USE

Ceresit CL 50 is used for sealing of substrates before laying ceramic and natural stones coverings inside and outside. The product is recommended for areas that are permanently or partly exposed to moisture / water, such as: swimming pools, terraces, balconies, bathrooms, public shower, toilets commercial kitchens. Can be applied on concrete plasters and cement screeds, heated floors, cement and lime plasters, aerated concrete, calcium sulphate, gypsum-substrates, plasters and plasterboards. **Do not use CL 50 outside on old ceramics, mastic asphalts and paintwork**

SUBSTRATE PREPARATION

Surfaces must be dry, rigid, sound and free of oil, dust, dirt or other barriers to adhesion. Calcium sulphate substrates (moisture $\leq 0.5\%$) should be mechanically grinded and dusted. Plasterboards must be prepared according to the recommendations of their manufacturers. Substrates should be primed with Ceresit CT 17, or CN 94 (diluted in CN 94-water ratio 1:3) or CT 19.

APPLICATION

CL 50 consists of 2 components: powder (2 x 3,75kg bags) and a liquid component (5l bucket). First pour the liquid into another bucket, then add the powder in the right mixing ratio and stir with a slow-rotating stirrer



CERESIT_CL50_IDS_12_2018

(approx. 400 rpm) until the

mixture is completely free of lumps. After a maturing time of 5 minutes, give the mixture another stir so that a spreadable consistency is achieved. It is necessary to apply two sealing coats with a dry layer thickness of at least 2.0 mm. The first coat should be applied with a brush. The second coat should be applied crosswise to the first one. The thickness of a single layer of CL 50 should not exceed 1.0 mm. In wet rooms the coating should be reinforced along the edges and expansion gaps with the CL 152/ CL 82 / CL 89 sealing tape. The sealing tape should be placed into the first coat of CL 50 and embedded with the second one.

PLEASE NOTE

It can be stored up to 12 months from the production date if stored in dry and cool conditions and in original



Henkel AG & Co. KGaA Deutschland
 Henkelstraße 67 · 40191 Düsseldorf
 Internet: www.ceresit.com
 E-mail: ceresit.com@henkel.com

and undamaged packages. **Protect from frost!**

OTHER INFORMATION

Should you need support or advice, please consult our advisory service for architects and craftsmen on the **contact information** you will find on **the local Ceresit website**.

Apart from the information given here it is also important to observe the relevant guidelines, regulations and common standards of various organizations and trade associations. The aforementioned characteristics are based on practical experience and applied testing. Confirmed properties and possible uses which go beyond those listed 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 and that the product itself is subject to local conditions such as amount of water and hardening. A product from another production site may differ.

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 applications, 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 willful misconduct or gross negligence on our part or unless there is a case of personal injury or death or a case of liability under the Product Liability Act.

This technical data sheet supersedes all previous editions relevant to this product. Please be aware that this Technical Data Sheet only relates to a product manufactured in the specific relevant production site.

TECHNICAL DATA

Base:	a mixture of cements with mineral fillers and high quality synthetic
resin	dispersion.
Mixing ratio:	1.5 weight parts of the compound A must be mixed with 1 weight part of the compound B. E.g. 1 bag of powder (3,75kg) should be mixed with half of the liquid component (2,5l)
Initial maturing time:	approx. 5 minutes
Working time:	approx. 1 hours
Drying time of the second coat:	approx. 5 hours
Laying Tiles:	
WALL:	after approx. 5 hours following the application of the last coat:
FLOOR:	after approx. 18 hours following the application of the last coat
Application temperature:	from +5 to +25 °C

Approximate consumption (two coats):

protection	required thickness of CL 50 after drying	quantity of CL 50 [kg/m ²]
damp-proofing and waterproofing; sealing from water without pressure	at least 2.0 mm	approx. 3.3
waterproofing; sealing from pressing water and water under pressure, terraces	at least 2.5 mm	approx. 4.1

CE	
16	
Henkel Polska Operations Sp. z o.o. 02-672 Warszawa ul. Domaniewska 41 Ceresit CL 50	
00491	
EN 14891: 2012	
Cementitious liquid-applied water impemeable product with improved crack bridging ability at low temperature (-20°C) and resistant to contact with chlorinated water beneath ceramic tiling (bonded with C2 adhesive in accordance with EN 12004)	
Initial tensile adhesion strength	≥ 0,5 N/mm ²
Tensile adhesion strength after water contact	≥ 0,5 N/mm ²
Tensile adhesion strength after heat ageing	≥ 0,5 N/mm ²
Tensile adhesion strength after freeze-thaw cycles	≥ 0,5 N/mm ²
Tensile adhesion strength after contact with lime water	≥ 0,5 N/mm ²
Waterproofing	No penetration
Crack bridging ability under standard conditions	≥ 0,75 mm
Crack bridging ability at very low temperature (-	≥ 0,75 mm



Henkel AG & Co. KGaA Deutschland
Henkelstraße 67 · 40191 Düsseldorf
Internet: www.ceresit.com
E-mail: ceresit.com@henkel.com

Quality for Professionals