

CN 83

Repair mortar

Rapid-hardening cement mortar

for repairs of cementitious substrates with layer thicknesses of 5 to 30 mm

CHARACTERISTICS

- ▶ stiff consistency
- ▶ frost-resistant
- ▶ for indoor and outdoor use
- ▶ can be walked on after 3 hours
- ▶ rapid hardening

SCOPE OF USE

For rapid repairs on concrete floors and cement screeds.

For producing sloping screeds.

For reconstruction of steps, landings, ramps, kerbstones etc.

Suitable for indoor and outdoor use – for over- and underground works.

SUBSTRATE PREPARATION

CN 83 adheres to all solid, load-bearing, clean, dry and damp surfaces free of substances which can cause separation. The surface must have a rough, open-pored structure with good key.

The edges of areas to be repaired or filled must be chiselled out to a depth of at least 5 mm, preferably at right angles to the surface.

Slightly pre-wet cement screeds and concrete floors, then apply and brush on an adhesive slurry, made of CN 83 plus CC 81. To produce the adhesive slurry, mix CC 81 with water at a ratio of 1 : 2.

APPLICATION

Add 25 kg of CN 83 to approx. 3 l of clean water. Stir with a compulsory-type mixer or an electric drill with agitator attachment until the mixture is completely free of lumps. Apply the mortar within 45 minutes onto the adhesive bridge while it is still wet. Rub down the surface.

Excess mortar can be cleaned off with water while still wet, but once hardened only mechanical removal is possible.

Protect the wet mortar from too rapid drying. If necessary, remoisten.

The floor can be walked on after only 3 hours and reaches full load-bearing strength after 1 day.



CERESIT_C_CN83_TDS_1_0420

PLEASE NOTE

Use CN 83 only in dry conditions and at temperatures of +5 °C to +30 °C.

CN 83 contains cement and reacts with water, producing an alkaline solution. Therefore protect eyes and skin and rinse thoroughly with water if contact occurs. In case of contact with the eyes seek medical advice immediately.

The substrate must be capable of resisting the expected loads. Test its strength and, if necessary, renew the substrate surface.

Please refer in particular to DIN 18 202, DIN 18 353 and DIN 18 560 as well as to the various work sheets issued by the AGI (German Trade Association of Industrial Builders, Cologne).

Levelling mortars in exposed areas, especially where chemicals are used, should be additionally coated with a suitable Ceresit product.

Observe the warnings-, safety- and waste disposal advice given in the safety data sheet.

Hazard notes/Safety advices/Dangerous goods classification/waste disposal advices: See Material Safety Data Sheet.

	
0432 0767 Henkel Polska Operations Spółka z o.o. 02-672 Warszawa, ul. Domaniewska 41 13 Ceresit CN 83 00325 EN 13813: 2002 CT-C35-F7-A9 Cementitious screed material for use internally in buildings	
Reaction to fire	A1 _{fl}
Release of corrosive substances	CT
Water permeability	NPD
Water vapour permeability	NPD
Compressive strength	C35
Flexural strength	F7
Wear resistance	A9
Sound insulation	NPD
Sound absorption	NPD
Thermal resistance	NPD
Chemical resistance	NPD

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.

DISPOSAL

Do not allow product to reach sewage system or any water course. Do not allow to penetrate the ground/soil. Only recycle totally empty packages. Dispose of hardened product residues as industrial waste similar to household waste or in the container for commercial/construction site waste. Dispose of unhardened product residues as hazardous waste. European waste code number (EWC): 17 01 06.

PACKAGING

Bags of 25 kg.

TECHNICAL DATA

Base:	Cement combination with natural mineral substances and high-quality synthetic resin powder (low chromate acc. to TRGS 613) GISCODE ZP1
Powder density:	approx. 1.75 kg/dm ³
Mixing ratio:	approx. 3.0 l of water for 25 kg
Application time:	approx. 45 minutes
Application temperature:	+5 °C to +30 °C
Walk-on time:	3 hours
Adhesive pull strength:	≥ 1.3 N/mm ²
Compressive strength EN 196:	
after 1 day	≥ 15 N/mm ²
after 3 days	≥ 25 N/mm ²
after 28 days	≥ 35 N/mm ²
Bending tensile strength EN 196:	
after 1 day	≥ 3.3 N/mm ²
after 3 days	≥ 4.0 N/mm ²
after 28 days	≥ 7.5 N/mm ²
Amount required:	approx. 2.0 kg/m ² per mm layer thickness per m ² :
Adhesive slurry:	approx. 3.0 kg of CN 83 PLUS approx. 0.2 kg of CC 81
Shelf life:	Approx. 12 months if stored in a tightly sealed container in cool and dry conditions. Use product in opened containers as soon as possible.



Henkel CEE
Erdbergstrasse 29
1030 Vienna
www.ceresit.com

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