

# CN 89

## Extra-Rapid Resin

**Rapidly curing resin for powerful filling of cracks in cement, concrete and anhydrite screeds**

### CHARACTERISTICS

- ▶ very rapid curing
- ▶ very high strength
- ▶ suitable for heated screeds
- ▶ also capable of fixing metal sections

### SCOPE OF USE

Rapidly curing repair resin for powerful filling of cracks and joints in screeds.

Also suitable for fixing metal sections.

For very fine crack or narrow joints use CD 32 Injection Reaction Resin.

### SUBSTRATE PREPARATION

CN 89 adheres to all solid, load-bearing, dust-free and largely dry concrete structures and cement screeds (residual moisture < 5 %) and anhydrite screeds (residual moisture ≤ 0.5 wt-%). Carefully clean crack areas by mechanical means and score the surface of the crack. Fine cracks may need to be enlarged (e.g. with a grinder wheel). Chisel out the crack to a depth of approx. 3/4 of the screed thickness. Perpendicular to the crack, produce cuts of approx. 15 cm length every 20 cm. Place steel nails or screed repair clamps into the cuts.

### APPLICATION

CN 89 consists of two components (resin and hardener). The resin is in the lower part of the packaging unit (tin can), the hardener on top in a separate tube. Empty the tube content completely into the tin can. If only partial amounts are used, observe the correct mixing ratio (see Technical Data). Afterwards mix resin and hardener thoroughly for at least 1 minute. Fill the mixture into the prepared screed cracks or joints and smooth over. To provide a better bond to subsequently applied levelling compounds or adhesives, sprinkle an



excess amount of fire-dried silica sand (grain size 0.3-0.7 mm) into the still fresh resin.

For fixing metal sections spread CN 89 to the substrate with a smoothing trowel. Place and align the materials, then fix them until the resin has fully cured.

- Do not use below 15 °C ground temperature and above 75 % relative air humidity.
- Do not scrape product remains from the container.
- Clean the tools immediately after use with CE 51.

### PLEASE NOTE

During application make sure that the substrate temperature is at least +3 °C above dew point. A higher moisture content of the building material impairs the adhesive strength.

CN 89 contains styrene.

Observe the warnings and safety advice given on the container label and in the safety data sheet.

Please refer in particular to the ZTV-Ris of the German Federal Ministry of Transport.

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

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## TECHNICAL DATA

Base:	Polyester resin
Form and colours:	pasty, component A beige component B white
Specific weight:	component A approx. 1.9 kg/dm <sup>3</sup> component B approx. 1.2 kg/dm <sup>3</sup>
Mixing ratio	A : B: 100 : 2 parts by weight
Amount required:	depends on width and depth of the cracks or joints; for bonding metal sections and nailed strips: 80 - 100 g per meter length
Application time:	approx. 10 - 15 minutes
Ready for screeding:	after 1 hour at the earliest
Curing time:	at least 12 hours
Temperature resistance after curing:	up to max. +50 °C, can be used on underfloor heating
Temperature resistance for transport and storage:	- 20 °C up to +50 °C
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.
Packaging:	1.02 kg tin can

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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.

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