

# CC 81

## strong bond

**Synthetic resin emulsion as finishing agent  
for repair mortars, plasters, adhesive slurries**

### CHARACTERISTICS

- ▶ easy to use
- ▶ flexible
- ▶ water-retaining
- ▶ active adhesion
- ▶ alkali-resistant

### SCOPE OF USE

For producing and as finishing agent for adhesive slurries, adhesive bridges and pneumatic mortars. To ensure reliable bonding and crack resistance of cement-bound repair mortars.

To improve workability and increase compaction of the mortar.

To increase flexibility, elasticity and bonding to the surface.

To reduce early drying-out.

As finishing agent for mortars with hydraulically setting binders.

For adhesive plasters, thin-layer plasters and levelling plasters.

As finishing agent for joint mortars used on faced brick-work, clinker masonry and glass bricks.

Not suitable for priming or sealing.

### SUBSTRATE PREPARATION

Mortars with the addition of CC 81 adhere to all solid, load-bearing and clean mineral surfaces free of substances which can cause separation. Completely remove surface layers of insufficient bearing strength or any contamination. Dedust and slightly prewet the surface.

### APPLICATION

Dilute CC 81 in clean, clear water following the specified mixing ratio (see Technical Data). Use this liquid to prepare the mortar.



Use standard cements (DIN 1164) and aggregates (DIN 4226) with suitable particle sizes continuously graded in the favourable range. Alternatively, use ready-mixed mortar.

Apply the necessary adhesive bridge, adhesive slurry or pneumatic mortar prepared at the suitable mixing ratio.

Then apply the mortar onto the still wet adhesive bridge and rub over.

Wet aftertreatment may be necessary.

### PLEASE NOTE

Use CC 81 only in dry conditions and at temperatures of +5 °C to +35 °C.

Problems may arise if CC 81 is used in combination with other additives.

Carry out preliminary tests or obtain advice.

Use cement or lime/cement as a binder.

**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

Base:	Neutral synthetic resin dispersion in water
Density:	1.04 kg/l
Mixing ratio:	see table below
Application time:	approx. 90 minutes
Application temperature:	+5 °C to +35 °C
Amount required:	see table below
Storage:	shelf life approx. 12 months in a dry and frost-free place
Packaging:	1 kg plastic light-weight bottles, 6 kg and 12 kg tin cans

Amount required of CC 81 (reference values)  
 The mortar composition to be selected depends on layer thickness.

Type of work	Binder: standard cement	Aggregates: sand <sup>1)</sup>	Particle Size	Mixing liquid: <sup>2)</sup>		Required amount CC 81 (ref. values)
				CC 81	Water	
Brush in adhesive slurry vigorously	1 p/v <sup>3)</sup>	2 p/v	<sup>4)</sup>	1 p/v	2 p/v	125 g/m <sup>2</sup>
Apply pneumatic mortar over the entire surface	1 p/v	2 p/v	0-4 mm	1 p/v	2 p/v	125 g/m <sup>2</sup>
Adhesive mortar layer thickness						per mm layer thickness
0 - 5 mm	1 p/v	2 p/v	0 - 0,5 mm	1 p/v	2 p/v	60 g/m <sup>2</sup>
6 - 15 mm	1 p/v	3 p/v	0 - 2 mm	1 p/v	3 p/v	40 g/m <sup>2</sup>
16 - 30 mm	1 p/v	3 p/v	0 - 4 mm	1 p/v	4 p/v	30 g/m <sup>2</sup>
31 - 50 mm	1 p/v	3 - 4 p/v	0 - 8 mm	1 p/v	6 p/v	22 g/m <sup>2</sup>

<sup>1)</sup> Sand must be sharp- and mixed-grained. <sup>2)</sup> Add mixing liquid until desired consistency is reached.

<sup>3)</sup> p/v = parts by volume <sup>4)</sup> Particle size depends on thickness of the subsequent mortar layer.

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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