

CT 16

Priming paint »white«

For producing load-bearing substrates before applying synthetic resin plasters



CHARACTERISTICS

- ▶ active adhesion
- ▶ waterproof
- ▶ ready for use
- ▶ moisture-repellent
- ▶ water-based

Tested at the German Institute of Structural Engineering, Berlin
Test certificate no. Z-33.41-135

SCOPE OF USE

Suitable for indoor and outdoor use.

For producing load-bearing substrates before applying synthetic resin plasters and at the same time a surface with a good keying structure.

For all mineral, load-bearing substrates, e.g. concrete, fibrous cement, plasters (PII, PIII), gypsum plasterboards and fibrous plasterboards, aerated and lightweight concrete.

For wood chipboards, gypsum plasters and firmly adhering paint coats.

For producing an intermediate coat of good filling power when applying Ceretec facade paints.

For fixing the CT 92 crack bridge.

For first and intermediate coats applied on aerated and lightweight concrete elements.

SUBSTRATE PREPARATION

CT 16 can be used on all solid, load-bearing, clean and dry substrates free of substances which may impair adhesion. Test the load-bearing strength of the substrate. Level out any unevenness. Before application, any continuous rear surface moisture must be eliminated. Fungi and moss must be removed with CT 99 Anti-fungus before priming.



APPLICATION

Apply CT 16 directly with a brush or paint brush.

Depending on the site-specific drying conditions, work can be continued after only 3 hours. After hardening, the surface must be scratchproof.

After use, wash the tools out with water. Hardened material can be removed with a solvent or paint remover.

PLEASE NOTE

Use CT 16 only in dry conditions at a temperature of +5 °C to +35 °C and below 80 % relative air humidity.

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:	synthetic resin dispersion with mineral fillers and colour pigments
Density:	approx. 1.58 kg/l
Application temperature:	+5 °C to +35 °C
Drying time:	3 to 6 hours
Water absorption coefficient:	$w < 0.5 \text{ kg/m}^2 \sqrt{\text{h}}$
Water vapour diffusion resistance:	approx. 120
Amount required:	0.2 to 0.5 l/m ²
Colour:	white; other colours (see CT 44 colour chart) are available on request
Storage:	Shelf life approx. 12 months in a frost-free but cool place. Use product in opened containers as soon as possible.
Packaging:	4 l and 8 l plastic buckets
EU VOC limit value for this product (cat A/c): 75 g/l (2007); 40 g/l (2010). This product contains max. 16 g/l.	

Surface preparation of walls and ceilings before application of CT 16 white priming paint

Substrate	Requirements	Preparatory work	Pretreatment
New, stable lime casts and cement plasters	Dry, fully hardened, mortar groups PII, PIII, but not heatinsulating plasters.	Clean and de-dust with a dry broom.	-
Gypsum plasters	Mortar groups P IVa/b/c, P V, dry after 28 days at the earliest.	Remove sintered layer if necessary. Clean and de-dust with a dry broom.	B
Lime-gypsum plasters	Mortar group P IV d, dry after 28 days at the earliest.	Clean and de-dust with a dry broom.	B
Old lime and cement plasters (older than 1 year)	Substrates can be highly absorbent, but must be load-bearing, remove any loose particles, but not non-hydraulic lime plasters.	Clean and de-dust with a dry broom.	Indoors B Outdoors A
Concrete	Also see BFS information sheet no. 1.	Remove any remaining shuttering material. Clean and de-dust with a dry broom. Primer must be soaked up by the substrate, therefore do not apply too generously.	-
Fibrous cement	Protect all-round against moisture, at least prime on all sides. Also see BFS information sheet no. 14.	Clean and de-dust with a dry broom.	Indoors B Outdoors A
Aerated concrete indoors	Two priming coats with CT 16 increase resistance against mechanical damage.	Clean and de-dust with a dry broom. If necessary screed or plaster the surface.	2 x CT 16
Aerated concrete elements outdoors	Only use CT 44 with a lightness value of ≥ 50 .	Clean and de-dust with a dry broom. Screen if necessary.	2 x CT 16
Face masonry	Rendering necessary acc. to DIN 18 550.	Clean and de-dust with a dry broom.	-
Old thin-layered bitumen coats	New or thick-layered bitumen coats must be removed.	Vigorously roughen with a wire brush and free from dust.	C
Firmly adhering, not chalking paints based on oil, varnish or dispersion	Test adhesion to the substrate. Not for use on elastic paint coats.	Clean and de-dust with a dry broom. Roughen smooth point coats and de-dust or lightly etch with caustic soda and wash off.	-
Firmly adhering, slightly chalking paints based on oil, varnish or dispersion	Test adhesion to the substrate. Apply a very thin priming coat.	Clean and de-dust with a dry broom.	Outdoors A Indoors B
Chalking, hydraulic or mineral paints	Non-bearing.	Remove paint coats mechanically. Clean and de-dust with a dry broom.	Outdoors A Indoors B
Non-bearing dispersion paints, elastic paints	-	Remove with paint removers, thoroughly wash off.	Outdoors A Indoors B
Distempers or the like, lining paper, wallpaper glue	Non-bearing.	Wash off completely and allow to dry.	B
Mixed emulsion paints	Non-bearing.	Remove with paint removers, thoroughly wash off.	B
Wood chipboards, plywood (only indoors)	Use commercial insulating varnish on bleeding wood ingredients.	Clean and de-dust with a dry broom.	C
Gypsum plaster-boards, fibrous plasterboards	Also see BFS information sheet no. 12.	Clean and de-dust with a dry broom.	-
Plasterboards	Also see BFS information sheet no. 17.	Clean and de-dust with a dry broom.	B
Gypseous fillers and levelling compounds	Dry, after 28 days at the earliest.	Clean and de-dust with a dry broom.	B

A = CT 14 B = CT 17 C = commercial insulating varnish

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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