

CT 34

Smooth mineral plaster

White, mineral plaster to external thermal insulations, to use as mineral filler for smooth surfaces, repair traditional plasters and to perform thin-layer "putties" inside and outside the buildings

CHARACTERISTICS

- ▶ vapour permeable (breathable)
- ▶ hydrophobic
- ▶ flexible
- ▶ resistant to weather conditions
- ▶ with good adhesion
- ▶ reinforced with micro-fibres
- ▶ easy to apply

SCOPE OF USE

CT 34 is mainly used for smooth mineral substrates on reinforced Ceresit Ceretherm External Thermal Insulations. It is also used to repairing traditional and cement-lime plasters inside and outside the buildings. It may be applied both to fill deep losses (e.g. chases after installation work) and to smooth the plaster surface as well.

The properties of CT 34 make it possible to apply thin layers on the walls and ceilings, to cover rough and uneven cement and cement-lime plaster surfaces.

Thickness of complete plaster layer must be up to 5 mm.

SURFACE PREPARATION

CT 34 can be applied on even, load carrying and dry substrates and free from substances that decrease adhesion: grease, bitumen, dust. e.g. concrete, traditional plasters, walls free from grease, bitumen, dust and other substances decreasing adhesion.

- layers, reinforced with glass fibre net, prepared from Ceresit CT 85, ZU, CT 190 (age above 3 days), primed with CT 16 or reinforced layer made of CT 87 (age above 2 days),
- cementitious and cement-lime (age above 28 days, humidity ≤ 4%), concrete (age above 3 months, humidity ≤ 4%) primed with CT 16,
- gypsum cardboards (inside only, humidity below 1%)
 - primed with the agent Ceresit CT 17 and with paint CT 16 after,
- paint coatings - strong and with good adhesion,
- OSB boards, chipboards, gypsum-fibre boards (inside only) which are fixed according to producers requirements.

Dirt and layers of low strength should be completely removed. It refers to all anti-adhesion substances and paint layers.



Dry and highly absorbent substrates, especially aerated concrete and silicate walls, are recommended to be primed with the agent CT 17, and then approximately four hours are needed to dry. Then performed the reinforced layer using Ceresit CT 85, CT 87, ZU, CT 190.

Substrates may be additionally painted with CT 16. Then it is possible to obtain white, rough and non-absorbent surfaces, which facilitates the application of "putties" with CT 34.

APPLICATION

The whole content of the packaging should be poured to the previously measured amount of clean, cold water and mixed by means of the drill with the mixer until the homogenous mass without lumps is obtained. Wait for 5 min. and mix one more time - add a small amount of water if it is needed.

The plaster should be applied and smoothed with the metal long float. When the material becomes thicker (after 90 min.) it may be structured with the Styrofoam long float. The time can be shorter or longer it depends on thickness of layer or weather conditions. Thickness of complete plaster layer must be up to 5 mm.

The plaster can be painted after 24 h - when the layer will be dry, using acrylic paints CT 42 and CT 44, silicate paint CT 54 or silicone paint CT 48 and CT 49.

PLEASE NOTE

Application should be performed in dry conditions with the substrate and ambient temperature from +5°C to +25°C. All the data refer to the temperature of +20°C and relative air humidity of 65%. Faster or slower material hardening can occur in different conditions.

CT 34 contains cement and while mixed with water it shows alkaline reaction. Therefore skin and eyes should be protected. In case of contact with eyes they should be rinsed with water and the medical practitioner should be consulted. The content of chromium VI – below 2 ppm till the sell-by-date.

OTHER INFORMATION

Outside the buildings CT 34 should not be applied on highly insulated walls, and the applied layer should be protected against rain and too fast drying for min. 24 hours. It is recommended to use scaffolding protection.

This technical data sheet determines the scope of application of the material and the way of conducting the work, however, it cannot replace the professional preparation of the contractor. Apart from the data provided the application should be done in compliance with the construction and safety work principles.

The manufacturer guarantees the quality of the product; however, he does not have any influence on the condition and the way of application. In case of any doubts individual application trials should be carried out. The previously issued data sheets become invalid with the issue of this data sheet.

STORAGE

Up to 12 months since the production date when stored on pallets in dry cold conditions and in original undamaged packages.

PACKAGING

Bags 25 kg.

TECHNICAL DATA

Base:	mixture of cements with mineral fillers and modifiers
Bulk density:	approximately 1.0 kg/dm ³
Mixing ratio:	6.75 ÷ 7.25 l water per 25 kg
Temperature of application:	from +5°C to +25°C
Pot life:	up to 2 hours
Fire classification:	A2 – s2,d0 in CC Wool Classic B – s2,d0 in CC Popular and Classic
Assumed consumption: application of plaster	approximately 1.0 kg/m ² per each mm of thickness

This product possesses:

- Technical approvals in systems:

Ceresit Ceretherm System	Popular	Classic	Premium	Express	Reno	Wool Classic	Wool Premium
TA	15-6894 /2008 + Annex No. 2	15-4397 /2008 + Annex No. 2	15-6986 /2008 + Annex No. 2	15-7152 /2010 + Annex No. 1	15-8077 /2009 + Annex No. 1 and 2	15-3717 /2008	15-7099 /2008
Certificate	ITB-0068/Z	ITB-0109/Z	ITB-0108/Z	ITB-0173/Z	ITB-0355/Z	ITB-0110/Z	ITB-0159/Z
DoC: Ceresit Ceretherm	Popular 2/12/ 15.02.2012	Classic /2/12/ 15.02.2012	Premium /2/12/ 15.02.2012	Express 3/12/ 15.02.2012	Reno /3/12/ 15.02.2012	Wool Classic /1/09 / 02.02.2009	Wool Premium /1/09/ 02.02.2009

Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organizations and trade associations as well as the respective standards. 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 +20 °C and 60 % 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.



Henkel CEE GmbH
Erdbergstr. 29
A-1030 Vienna, Austria
www.henkel-cee.com

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