IN 45

SUPER FINISH

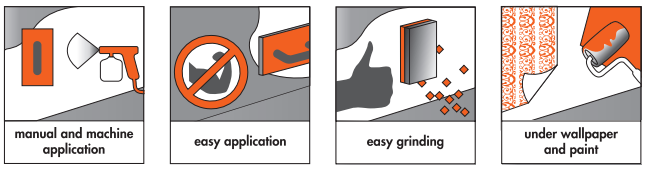
SUPER Glatt skim coat

White gypsum finishing coat to be used as the final finishing layer under paint coats and wallpapers

CERESIT C_IN45_TDS_1_0621

CHARACTERISTICS

- optimal hardness and elasticity
- high strength
- machine application possible
- easy to grind
- no delamination
- layer thickness up to 5 mm
- vapour permeable
- smooth surface finish
- ideal for paint coats and under wallpapers
- with very good adhesion
- resistant to cracking
- surfaces finished with the coat can be painted with any
- kind of paint 'wet-on-wet' application possible



SCOPE OF USE

Finish skim coat Ceresit IN 45 is used to make white and smooth wall and ceiling surfaces to be finished with paint coats and wallpapers. Thanks to the use of the SMART POLYMER Technology, a perfectly smooth and resistant surface can be achieved. Ceresit IN 45 has excellent adhesion to gypsum substrates, plasterboards, aerated concrete, cement and cement-lime plasters. It can also be applied on concrete substrates.

The material must not be used on wood-derivatives, metal, glass or plastic substrates or in rooms where humidity is high. Ceresit IN 45 may be applied using 'wet-on-wet' method, which enables to shorten the time required to carry out the application. Rendering skim coat Ceresit IN 35 shall be used for making the starting layer and for filling cracks, scratches and cavities.

SUBSTRATE PREPARATION

Ceresit IN 45 can be applied on load-bearing substrates that are dry and free from grease, bitumen, dust, loose plaster grains and other substances decreasing adhesion, e.g.:

- cement and cement-lime plasters (age above 28 days, moisture ≤ 4%), concrete (age above 3 months, moisture ≤ 4%) – primed with Ceresit IN 10 primer, Ceresit CT 7 or Ceresit CT 17 diluted with water 1:1,
- gypsum substrates with moisture content below 1% – primed with Ceresit IN 10 primer, Ceresit CT 7 or Ceresit CT 17 diluted with water 1:1,
- gypsum-fibre boards and plasterboards, fixed according to the recommendations of board manufacturers – primed with Ceresit IN 10 primer, Ceresit CT 7 or Ceresit CT 17 diluted with water 1:1,
- paint coats – strong, highly adhesive.

Any stains and layers of poor strength shall be completely removed. This also applies to any anti-adhesion substances and paint coats.

Dry and very absorbent substrates, in particular walls made of aerated concrete or silicate blocks, shall be primed with Ceresit IN 10 primer, Ceresit CT 7 or Ceresit CT 17 primed with water 1:1 and left to dry for approximately 2 hours.

APPLICATION

The content of the package should be poured to a precisely measured amount of clean, cool water and stirred using a drill with a mixer until it forms a homogeneous mixture, free of lumps. Leave for approximately 5 min. and then stir the mixture again. If necessary, increase the quantity of water by approx. 3 % for a package and mix again. The material shall be applied on the surface with a metal float. After application, the material shall be smoothed using a wide stainless steel float and left to dry. After the hardening of the material, the surface is ready for smoothing with sandpaper or a grinding mesh and a so-called giraffe grinder. In case of bigger unevenness, the material shall be spread once again in thin layers and if necessary the procedure must be repeated (after the preceding layer has dried completely). When applied 'wet-on-wet', the applied layer shall be left for initial setting. It is recommended to apply single layers of thicknesses not exceeding 5 mm. Layers thinner than 1 mm shall be avoided. In case of machine application, the manufacturer recommends using a plastering unit Graco, model T-MAX, nozzle size TMX 651. The coat may be painted after it has dried and primed with Ceresit IN 10 , Ceresit CT 7 or Ceresit CT 17 Transparent diluted with water 1:1 (only with the use of a paint roller). For wallpaper, appropriate Metylan glues shall be used and the recommendations of the manufacturer shall be followed.

PLEASE NOTE

Works should be carried out in dry conditions, with air and ground temperature ranging from +5 °C to +23 °C.
IN 45 contains gypsum and has a neutral pH value when mixed with water. Skin and eyes should be protected. Keep out of reach of children. Do not breathe dust. In the case of contact with eyes, eyes should be rinsed with plenty of water, and medical advice should be sought.

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.

STORAGE

Up to 9 months from the production date, if stored on pallets, in dry conditions, in original and undamaged packages.

PACKAGING

Bags of 20 kg and 10 kg and 3 kg.

TECHNICAL DATA

Base:	a mixture of gypsum binders with mineral fillers and modifiers
Bulk density:	approx. 1.0 kg/dm^3
Mixing ratio:	– 9.0÷11.0 l of water for 20 kg, – 4.5÷5.5 l of water for 10 kg, – 1.35÷1.65 l of water for 3 kg,
Application temperature:	from +5 °C to +23 °C
Application time:	up to 2 hours
Drying time:	it depends on the thickness of the applied layer and on the conditions of application – for example, the drying time is approximately 7 hours for a layer 1-2 mm thick, at temperature of +23 °C and relative air humidity of 50 %.
Initial setting time:	> 20 min
Bending tensile strength:	≥ 1.0 N/mm^2
Compression strength:	≥ 2.0 N/mm^2
Substrate adhesion:	≥ 0.1 N/mm^2
Content of gypsum binder in terms of:	$CaSO_4$ % < 50
Approximate consumption:	About 1.0 kg/m^2 per each mm of the layer thickness
Reaction to fire:	Class A1

The product is compliant with the PN-EN 13279 standard, class B2/50/2.

Henkel CEE
Erdbergstrasse 29
1030 Vienna
www.ceresit.com