

Construction solutions

Plasters

Exterior/ Interior

DEKO professional Silicone Plaster with dragged structure B3



Ready to use paste-like plaster, based on organic binder and silicone emulsion, specially selected pigments, fillers and additives. For interior and exterior use. It is used as one-layer protective and decorative coating over concrete bases, gypsum cardboard plates, gypsum putty, cement plasters and putty, etc. Finish coating when making facade thermal insulation system DEKOTHERM®.

Properties

- Easy application and structuring;
- Excellent cohesion with the base;
- High vapor permeability;
- Low water absorption;
- Excellent resistance to mechanical influences;
- Excellent resistance to adverse atmospheric effects;
- High colour resistance to UV rays;
- Forms protective coating resistant to fungi, mould and bacteria;
- Resistant to washing.

Colours

Produced in white. There is an option for tinting.

Technical characteristics

Appearance after stirring (visually) for plaster with dragged structure B3	viscous mass with particle content in the range of 2 – 2.5 mm
Density: (BNS EN ISO 2811-1:2011)	1,82 ± 0,05 kg/L
Non-volatile substances content: (BNS EN ISO 3251: 2008)	min 80 %
Equivalent heat conductivity coefficient (λ) (BNS EN 1745: 2012)	$\lambda = 0,5 \text{ W/mK}$
Water-vapour transmission coefficient (BS EN ISO 7783-2: 2011)	class V2
Liquid water permeability: (BNS EN1062-3:2008)	class W2
Adhesion: (BNS EN 1542:1999)	> 0,3 MPa
Reaction to fire: (BNS EN 13501:2007+A1:2009)	A2 - s1,d0
Consumption, kg /m ² :	3.0 - 3.5 kg/m ²
Dry to the touch (hours) (23°C, 65% H.R.)	2 - 3
Drying in depth (days) (23°C, 65% H.R.)	2 - 3

The exact consumption value is determined after testing part of the work surface.

Suitable bases	Unsuitable bases
Concrete surfaces, thermal insulation systems Mineral plasters and cement based plasters Gypsum cardoard plates Gypsum fiber, etc	Lacquer coatings, oil-based paints New lime plasters Distempred paints Plastic coatings

Preparation of base
Old/New surfaces
<p>The surface must be sound, dry and cleaned from oil, dust and other contaminants. If there is a risk of water penetration into the base, the surface must be primed with Deko professional Nano Primer. If the base is crumbling and needs to be strengthened and impregnated, one may prime with Deko Professional Façade Primer PS-112 (this primer is not applied on thermal insulation system from synthetic materials and or indoors).</p> <p>After preparation of the substrate has been done or directly on a solid and dry surface Deko Professional® Silicone primer for plasters should be applied (it is recommended to be tinted in the same tone as the color of the plaster).</p>

Application		Application tools
Recommendation	Stir well before use. Do not apply at strong wind and on surfaces highly heated by the sun! Newly-applied plaster must be protected from rain and freezing for 24 hours! In case of strong sunlight and wind the newly-applied plaster must be protected with a façade mesh! To avoid colour deviations in tinting it is recommended to use plaster with the same batch number! In case of tinting different batches it is recommended to mix the plaster in a single vessel before applying it. The colour can be affected by temperature and humidity!	Metal stainless trowel Plastic trowel
Application conditions	Work at temperature of air and substrate between +5°C и +25°C and relative air humidity 60 %.	
Dilution	Dilute with water. If necessary, 25 kg plaster is diluted max 0.5L of water;	
Application method	Apply the plaster in an even layer by a smooth, metal stainless trowel which is held at an angle of 45° to the base. In 10-15 minutes after plaster application, the relief structure may be shaped with vertical movements down and up with a plastic trowel. The processing time depends on the absorption of the substrate and the air temperature.	

Application systems				
New surfaces			Old surfaces	
Stage	Product	Coats	Product	Coats
Priming	DEKO professional Façade primer PS-112/ Nano primer/ Silicone primer for plasters	1	Deko Professional Façade Primer PS-112, excluding the cases when thermal insulating systems are being made	1
Finishing coat	DEKO professional Silicone plaster B3	1	DEKO professional Silicone plaster B3	1

Cleaning
Instruments are cleaned with water before and immediately after use.

Packages
25 kg

Classification
The product complies with harmonised standard BNS EN 15824:2009 Specifications for plasters based on organic binders.

Storage
Store in sheltered, dry and ventilated warehouses, protected from direct atmospheric impacts at temperatures between 5°C - 25°C.

Shelf life
18 months from the production date in fabrically closed original packaging in case the storage conditions stated by the producer are kept.

Safety measures
The product is not classified as dangerous. If necessary – refer to the Material Safety Data Sheet.

The present technical description has the purpose to inform the clients on the product. Orgachim JSC invites its clients before work to check the quality of the product or its adaptation to the base, to make an experimental application, to use the product properly, to keep the application conditions in accordance with the label prescriptions and technical parameters. In the absence of control over the conditions and method of application, the manufacturer does not provide a guarantee of its durability as well as of any direct or indirect consequential damages caused or related to the use or application of the product. Users must be assured that the current description is the last and has not been replaced by a newer version.