

BETADEKOR SD

Technological instructions no.: 31

Safety sheet no.:

31

Composition:

hydraulic and polymer binding substances, sharp-sorted fillers, modifying additives, fine-grain fillers

General description:

BETADEKOR SD is dry enriched render. It serves for final surface treatment of facades and walls in exterior and interior, of plaster boards and for final surface treatment of base layers of external thermal insulation composite systems (hereinafter ETICS) of STX.THERM line.

Merits:

The renders are delivered in white tint. The hardened layer shows a very good flexibility, it is waterproof and resistant to the climatic influences. It resists well to deposition of dust. The material contains additives limiting occurrence of algae, fungi and moulds. Formed surface treatment enables washing of polluted places by water, eventually with detergents. Surface is quickly prepared for levelling paint.

Unit of measure:

kg

Consumption per m²:

BETADEKOR SD20 - 2,3 to 2,6 kg/m²

BETADEKOR SD25 - 2,6 to 3,0 kg/m²

BETADEKOR SD30 - 2,8 to 3,2 kg/m²

Consumption depends on render grain size.

Spreading capacity:

9,6 m² / bag (25 kg) according to the thickness of grain

Grain size:

20, 25, 30

Packing:

The product is packed in 25 kg laminated paper bags

Customs code:

3214900000

Colour scheme:

white tint

Thinning:

The BETADEKOR SD is adapted to working consistency by mixing of 100 parts of dry mixture in 22 - 25 parts of drinking water subject to the required consistency.

Bases:

The base must be firm and consistent, cleaned from dust, grease spots and all impurities that could reduce the render adhesive capacity to the base. As suitable are the quality, matured (at least 28 days) lime- cement, polymer-cement renders and sealants, concrete, seamless base layers of ETICS of STX.THERM line, plaster boards and treated surfaces of chipboards (interior only), cement-chipboards and cement-fibre boards.

Volume unstable bases must firstly be equipped with layer from the (ALFAFIX S1, S11) backfilling and glass mesh. Bases with supposed increase of humidity in winter period must be frostproof. Unstable, inconsistent or polluted places of bases must be removed mechanically, repaired and impregnated. Also previous lime or glue paints must be removed by regrating. Bases must be flat with even and natural surface structure with sunk edges. Bases with unsuitable flatness must be repaired, levelled eventually smoothed. Before application of the final surface apply the EH thinned penetration coating onto the base. If the renders are realised without consequent levelling then the water soluble HC- 4 base paint is used.

Warning:

The mentioned information are compiled upon current status of technique. They represent general instructions upon our application experience and material test results. However they cannot include local conditions at its application and due to this any legal liability cannot be deduced from them. In doubt or need of solution of specific technical questions please contact us.

Preparation of the material:

BETADEKOR SD is supplied in dry condition. The BETADEKOR SD is adapted to working consistency by mixing of 100 parts of dry mixture in 22 - 25 parts of drinking water by a mixing adaptor of drill subject to the required consistency. The render is mixed under low revolutions 2 to 10 minutes according to the stirrer type and after 10 minutes of maturing and short mixing the material is prepared for use. Adding of other mixing water or additives is prohibited. Keeping stable consistency of the material for complete

construction or particular sections (one wall etc.) is essential.

Workability period:

After 10 minute maturing of the mixed material shortly mix it again and process the material within 90 minutes.

Description of application:

The render is applied by a stainless steel smoother in coherent layer defined by grain size. With BETADEKOR SD the designing of the applied material is made by roughing in wheel, one-way or cross movement by plastic smoother. For complete areas material of the same batch should be used. To maintain stable consistency for adjacent surfaces is essential. Complete areas must done at once with sufficient and trained staff. If it is not possible, the area should be conveniently divided with taking into account possible deviations. The coating by the GAMADEKOR facade paint can be done minimally 72 hours after application of the render. Adjacent surfaces (windows, doors, banisters, switchgear boxes etc) must be protected against pollution by a suitable foil, removable or protective paints etc. Any polluted area must be cleaned in time because removal of dried material is difficult.

Flatness requirements:

maximal grain size + 0,5 mm for 1 m of length

Climatic conditions during application:

The work may not be done under rain, fog, strong wind nor to directly sunlit surfaces. Range of working temperatures is from +5 °C to +30 °C (air and base) and the applied material must be secured against frost and rain up to complete drying.

Requirements for base maturation:

The render is possible to be applied after complete drying of penetration or base paint depending on the climatic conditions - 4 hours minimally, at temperatures lower than +10 °C and high relative humidity even 24 hours.

Security (S-theorems):

S 2 Store out of reach of children.

S 22 Do not breathe the dust.

S 26 If eyes are hit immediately and thoroughly rinse them out and seek medical help.

S 36/37/39 Use suitable protective clothing, gloves, goggles or face sheet.

Security (R-theorems):

R 36/37/38 Irritating for eyes, respirator organs and skin.

R 43 May provoke sensibilisation at skin contact.

Safety regulations:

The products contain cement and as such they are classified in the sense of the Act no. 356/2003 Coll. as amended as irritating substances with warning symbol Xi. Protection of respirator organs is not necessary if the highest admissible concentration of 10 mg/m³ is kept. Product during storage life meets the legislative requirements for the content of soluble hexavalent chromium.

First aid:

Protect your eyes and skin against stain, do not eat, smoke nor drink during the work. After the work wash your hands with water and soap and apply and reparation cream. If your eyes are hit, rinse them with water minimally for 15 minutes. If consumed immediately rinse mouth, drink minimally 0,5 l of water, do not invoke vomiting and always seek medical help.

Recommended tools:

stainless steel smoother, plastic smoother

Quality:

The product as defined ETICS component is in conformity with requirements resulting from the CE marking. The product is certified for the mentioned use and tested by accredited testing laboratory. At production the product is controlled by the company laboratory subject to the certified quality management system subject to the ?SN EN ISO 9001 standard.

Storage:

The product must be stored in original packing protected against humidity, direct sunlight under temperatures of minimally +5 °C. Under the mentioned conditions the storage life is 6 months from the production date. Production date is marked on the packing.

Liquidation:

Liquidation of not used remains is done by watering and depositing of the hardened inert substance as a building waste. Used packaging is liquidated as composite waste according to the valid legislation.



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Czech Republic, ID: 48400874
EN 998-1
Treated dry mineral render
for exterior and interior

Fire resistance: EN 13 501-1 Class A1
Water capillarity absorption: EN 1015-18 W 2 c $\leq 0,2$
 $\text{Kg/m}^2 \cdot \text{min}^{0,5}$
Compressive strength: EN 1015-11 CS IV ≥ 6 MPa
Water vapour permeability: EN 1015-19 $\mu 45$
Adhesion after weathering cycles: EN 1015-21
on concrete - 0,95 MPa B
on porous concrete - 0,37 MPa C
Thermal conductivity: 0,7 W (m.k)
Dangerous substances: Cr⁶⁺ < 2 ppm