

BetaDEKOR VD

Technological instructions no. 29-6

Safety sheet no.

29b

Composition

water-glass, polymer binding substances, pigments, modifying additives, fillers, biocide agents (protection against moulds, fungi and algae)

General description

BetaDEKOR VD is water soluble silicate thinlayer rustic render. It serves for surface treatment of base layers of external thermal insulation composite systems (hereinafter ETICS) of the stomixTHERM line. The render is delivered in reduced scale of tints (see the current colour card).

Merits

The hardened layer is flexible. The material contains additives limiting occurrence of algae, fungi and moulds. It provides high values of permeability of vapour. Formed surface can be washed by water stream, eventually by water with detergents, it has very low surface wettability and significant self-cleaning ability. The hardened material creates a very strong chemical connection to mineral bases and in the long term resists to effects of the climatic and ultra-violet radiance influences.

Unit of measure

kg

Consumption per m²

BetaDEKOR VD20 - 2,5 to 2,8 kg/m²

BetaDEKOR VD25 - 2,6 to 3,2 kg/m²

BetaDEKOR VD30 - 3,2 to 4,0 kg/m²

Spreading capacity

7,8 subject to grain size

Grain size

20, 25, 30

Packing

The product is packed in 15, 25 kg plastic portable buckets

Customs code

3214900000

Colour scheme

full colour scale except tint of groups a,b,

Thinning

Consistency can be adapted by adding of max. 2 % of drinking water.

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. BetaDEKOR VD is applied onto seamless base layers of ETICS of stomixTHERM line (matured, 24 hours at least). Base 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 treatment the base is treated by water soluble base paint HC-5.

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

Before application the material must be mixed by a quick stirrer (drill adapter) or by a mixer with forced mixing. The material is delivered in paste consistency and does not require any improvements. Consistency can eventually be adapted by adding of max. 2

% of drinking water. Mixing of any other additives is prohibited.

Workability period

not mentioned

Description of application

The render is applied by a stainless steel smoother. The structure is consequently formed by smoothing or designing by means of a stainless or plastic smoother. For complete areas material of the same batch should be used. If more batches are to be processed they must be mixed together and uniformly thinned. To observe permanent consistency of the material 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. 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 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 base paint depending on the climatic conditions - 4 hours minimally, at temperatures lower than +10 °C and high relative humidity even 24 hours.

Security (R-theorems)

R/52/53 Harmful for aquatic life, it may cause long-term unfavourable effects in water environment

Safety regulations

BetaDEKOR VD is not flammable liquid in sense of the ČSN 65 0201 standard, it does not contain toxic organic solvents and it is not classified as dangerous preparation in the sense of Act no. 356/2003 Coll. as amended).

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 a 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 ČSN EN ISO 9001 standard.

Storage

The product must be stored in original packing protected against humidity, direct sunlight under temperatures 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 usable remains is done by avoidance of access of air and after drying it is liquidated as building waste. Used packaging is liquidated as other waste according to the valid legislation.

