

# BetaDEKOR AF-FLEX

## Technological instructions no. 29-3

### Safety sheet no.

29b

### Composition

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

### General description

BetaDEKOR AF-FLEX is water soluble flexible acrylate thinlayer rustic render. It is principally designed for surface treatment of renders and concrete with active cracks up to 1,2 mm thickness.

### Merits

It creates a surface layer that is permanently flexible within the temperature range from -27 °C to +85 °C. Further it serves for final surface treatment of facades and walls in exterior and interior and of plaster boards. The renders are delivered in wide scale of tints (see the current colour card). The hardened layer shows high flexibility, prevents water leakage in the construction and is resistant to pollution. The material contains additives limiting occurrence of algae, fungi and moulds. Formed surface treatment enables washing of polluted places by water, eventually with detergents.

### Unit of measure

kg

### Consumption per m<sup>2</sup>

BetaDEKOR AF20-FLEX - 2,9 to 3,5

BetaDEKOR AF30-FLEX - 3,6 to 4,4

The consumption depends on the render grain size.

### Spreading capacity

6,8 subject to grain size

### Grain size

20, 30

### Packing

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

### Customs code

3214900000

### Colour scheme

full colour scale except tints of group 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. Suitable bases are quality, matured (at least 28 days) lime-cement, cement, polymer-cement renders and bonding agents, plasterboards and treated surfaces of chipboards (interior only), cement-chipboards and cement-fibre boards. Volume unstable bases must firstly be equipped by a backfilling (AlfaFIX S1, S11) and glass mesh layer. Bases must be flat with even and natural surface structure with sunk edges. Bases with supposed increase of humidity in winter period must be frostproof. Unstable, inconsistent and polluted places of bases must be removed mechanically, repaired and impregnated. Also previous lime or glue paints must be removed by regrating. 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-4.

### 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 materials 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. 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.

### 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. Application by air spraying with source of compressed air of minimally 300 l/min. under pressure of 0,18 to 0,30 MPa is another possibility. A nozzle with minimal diameter of 3 mm and adjustment of the pressure to minimal working value are recommended. Smoothing is not necessary. 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 maintain stable consistency for adjacent surfaces is essential. Complete areas must done at once with sufficient and trained staff. It is not possible the surface should be conveniently divided at taking into account possible deviations. Adjacent surfaces (windows, doors, switchgear boxes etc.) must be protected against pollution (by a foil, removable paint, protective paint 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 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 (R-theorems)

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

### Safety regulations

BetaDEKOR AF-FLEX 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 and repair 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.

### Quality

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 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 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.

