

# Betolin<sup>®</sup> K 28

## Binder for silicate bonded coating systems

### Chemical description

Betolin K 28 is an inorganic binder based on an aqueous potassium silicate solution.

### Mode of action

Betolin K 28 bonds mineral substrates by silicification and cohesive bonding to substrate components.

### Specification (average values)

|                   |                                |        |
|-------------------|--------------------------------|--------|
| Solids content:   | approx. 28,0 %                 | 007 *) |
| Density (20°C):   | approx. 1,25 g/cm <sup>3</sup> | 042 *) |
| pH value (10 %):  | approx. 10,8                   | 008 *) |
| Viscosity (20°C): | approx. 28 mPas                | 053 *) |

\*) Internal method code – description available on request

### Properties

- Has very good adhesion to mineral substrates as a result of silicification.
- The paints and plasters applied have a long life.
- The paints and plasters are durable even on exposure to climatic extremes.
- The permeability to water vapour is retained down to the substrate.
- The thermal expansion of the paints and plasters is of the same order as that of mineral substrates.
- The paints and plasters are resistant to water, inhibit corrosion and are dirt-repellent and lightfast.
- The good compatibility with various substrates permits great versatility.
- The paints and plasters have a natural mineral appearance.
- Since the coatings are permeable to vapour, they do not give rise to blistering.
- Betolin Q-products enhance the wettability and adhesion and counteract efflorescence and staining.

### Application

Betolin K 28 is suitable for silicate and emulsion silicate paints (cf. DIN 18363, paras. 2.4.1 and 3.2) and for plasters.

### Note

Containers containing Betolin K 28 must always be kept tightly closed. Adjacent areas of glass, ceramic, concrete, metal, and natural stone must be well masked before the paints are applied. Any splashes must be removed immediately with water. The tools must be cleaned with water immediately after use. The addition of some Trilon B and caustic soda effects better clean-up.

### Storage

Betolin K 28 must be protected from frost during storage. Its shelf life in tightly closed containers is at least twelve months, and also be kept for twelve months in storage tanks.

**Labelling / Safety**

Not classified as dangerous according to EC Guidelines and German Ordinance on Hazardous Materials (GefStoffV).

**Packaging**

30 kg can  
250 kg drum  
Container  
Road tanker

11/2015