

Betolin[®] K 42

Binder for silicate bonded coating systems

Chemical description

Betolin K 42 is an inorganic binder based on an aqueous potassium silicate solution.

Mode of action

Betolin K 42 bonds mineral substrates by silicification and cohesive bonding to substrate components.

Specification (average values)

Solids content:	approx. 40,0 %	007 *)
Density (20°C):	approx. 1,40 g/cm ³	042 *)
pH value:	approx. 12,0	008 *)
Viscosity (20°C):	approx. 60 mPas	053 *)

*) Internal method code – description available on request

Properties

- Lengthens the potlife.
- Slightly retards curing of the coatings.
- Has good adhesion to mineral substrates as a result of silicification.
- The paints and textured finishes applied have a long life.
- The coatings do not give rise to blistering, because there is no film formation.
- The thermal expansion of the paints and textured finishes is of the same order as that of mineral substrates.
- The paints and textured finishes are durable even on exposure to climatic extremes.
- The paints and textured finishes are resistant to outdoor exposure, inhibit corrosion, and are lightfast and dirt-repellent.
- The paints and textured finishes have a natural mineral appearance.

Application

Betolin K 42 is suitable for silicate and silicate emulsion paints (cf. DIN 18363, paras. 2.4.1 and 3.2) and silicate textured finishes.

Note

Drums containing Betolin K 42 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 42 must be protected from frost during storage. Its shelf life in tightly closed containers is at least twelve months.

Labelling / Safety

Please see safety data sheet

Packaging

30 kg can
290 kg drum
container

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