

Betolin[®] K 42

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/cm³042 *)pH value:approx. 12,0008 *)Viscosity (20°C):approx. 60 mPas053 *)*) 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.	

Binder for silicate bonded coating systems

Any technical application recommendations, verbal or in writing, provided by us in good faith to our customers/users for their assistance and on the basis of our experience and present state of knowledge are absolutely noncommittal. This also applies to any existing industrial property rights or foreign statutory provisions. Any recommendation of ours can therefore not be regarded as a legal relationship or contractual commitment, nor does it establish any sales contract deed of convenant. It is the buyer's responsibility to examine the suitability of our products for their intended application.

Labelling / Safety	Please see safety data sheet
Packaging	30 kg can 290 kg drum container
10/2015	



