

Betolin[®] A 100

Additive for silicate bonded coating systems

Chemical description

Betolin A 100 is a colourless to yellowish, clear to slightly dull, alkaline, low-viscosity, odourless, water-miscible liquid based on methylsilicic acid.

Mode of action

Betolin A 100 increases the resistance to water of silicate-bonded coating systems and also lowers their viscosity. It can be added in proportions up to 1,5 % to silicate emulsion paints and textured finishes.

Specification (average values)

Solids content:	approx. 47,0 %	007 *)
Density (20°C):	approx. 1,34 g/cm ³	042 *)
pH value:	approx. 14,0	008 *)
Viscosity (20°C):	approx. 15 mPas	053 *)

*) Internal method code – description available on request

Properties

- Lowers the viscosity.
- Improves the product stability.
- Exerts a hydrophobic effect and thus improves the coatings' resistance to water.
- Lengthens the wet edge time and thus facilitates application.
- Enhances the adhesion.
- Reduces chalking.

Application

Betolin A 100 is an additive that is used together with the various Betolin qualities and the Betolin Quart products in making up water-repellent silicate emulsion paints and silicate textured finishes.

Betolin A 100 can also be added direct to the Betolin binders that are used in the requisite concentration for thinning paints and primers.

Another application for Betolin A 100 is waterproofing gypsum board, mineral plasters, and lightweight building board.

Note

If it is thinned with mains water of 15° German hardness (= 19° English hardness = 270 ppm), Betolin A 100 may become dull, but its quality does not thereby suffer. It is better in this case to run the Betolin A 100 into the amount of water required for thinning.

If it is exposed to the air or kept in open containers, Betolin A 100 reacts with atmospheric carbon dioxide.

In the form in which it is supplied and when it is diluted, Betolin A 100 is strongly alkaline and thus causes burns.

Storage

If it is kept in tightly closed iron or plastics drums and protected from frost, Betolin A 100 has a shelf life of six months. Crystals may separate out if the storage temperature is too low. In this case, the product must be allowed to thaw. After the crystals have redissolved, the product must be vigorously stirred.

Labelling / Safety

Please see safety data sheet

Packaging

30 kg can
250 kg drum
Container

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