

Betolin[®] Q 40

Low VOC stabilizer for potassium silicate binders in silicate emulsion paints and plasters

Chemical description

Betolin Q 40 is a low viscosity, aqueous solution of special hydrophilic alkoxyated alkylammonium compounds.

Mode of action

Betolin Q 40 has an influence on the polysilicates and silicic acid micelles of potassium silicate binders. It stabilises the polysilicate cations and thereby reduces post-thickening and strong viscosity rise of paints and plasters on storage.

Specification (average values)

Density (20°C):	approx. 1,02/cm ³	042 *)
pH (conc.):	approx. 10,4	008 *)
Viscosity (20°C):	approx. 5 mPas	053 *)

*) Internal method code – description available on request

Properties

- Contains only small traces of organic solvent residues (VOC),
- achieves viscosity stability during the storage of paints and plasters,
- this action is further boosted by the inclusion of Betolin A 11 and Sapetin D 20,
- supports the incorporation of inorganic pigments and fillers,
- improves the Betolin binders' stability to electrolytes,
- promotes the improvement in adhesion of paints and plasters to the substrate,
- improves suppression of chalking,
- can promote the reduction of formation of stains on coloured coatings.

Application

Betolin Q 40 stabilizes the silicate binders Betolin K 28, Betolin K 35, Betolin K 42, Betolin P 35 and Betolin P 50 in silicate emulsion coating systems. Betolin Q 40 is added in proportions of 0.5 - 1.0 % to formulations for paints and 0.2 - 0.5 % to formulations for plasters. A further improvement in stability is obtained through the inclusion of 0.5 - 1.0 % Betolin A 11.

Storage

Betolin Q 40 must be protected from frost during storage. Its shelf life in tightly closed containers is at least 12 months.

Labelling / Safety

Please see safety data sheet.

Packaging

30 kg can
200 kg drum
Container

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