



BetolinTM Q 40

NATURE

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

EFFECT

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

PRODUCT SPECIFICATION (average values)

Density (20° C)	ca. 1,02 g/cm ³
pH (20°C, 10% solution)	ca. 13
Viscosity at 20°C	ca. 5 mPas

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 A11 and Sapetin D20,
- 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.

FIELDS OF 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% of Betolin[®] A 11.

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

INDUSTRIAL HYGIENE

According to the information at our disposal, Betolin[®] Q 40 does not exert any harmful effects on health, provided that the usual safety and industrial hygiene precautions relation to handling of chemicals are observed together with the information given in our Safety Data Sheet.

STORAGE

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

RISK AND SAFETY PHRASES

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

DELIVERY

30-kg canisters
200 kg drums
Container

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 covenant. It is the buyer's responsibility to examine the suitability of our products for their intended application.