



BetolinTM P 35 E

**Binder for silicate
paints and textured
finishes**

NATURE

Betolin P 35E is a highly stabilized, odourless, and highly concentrated solution of potassium silicate.

EFFECT

Betolin P 35E silicifies mineral substrates to form a durable structure.

PRODUCT SPECIFICATION (average values)

Solids content	ca. 29 %
Organic fractions	ca. 1,4%
Density (20° C)	ca. 1,25 g/cm ³
pH (20°C, conc.)	ca. 12
Viscosity at 20°C	ca. 25 mPas

PROPERTIES

- Silicification and the cohesive bond ensure excellent adhesion to mineral substrates.
- Since the thermal expansion is the same as that of the substrate, the likelihood of cracking is reduced.
- The textured finishes and paints are durable, even on exposure to climatic extremes.
- The textured finishes are resistant to outdoor exposure, dirt repellent, and self-cleaning and lightfast; and they inhibit corrosion.
- There is no blistering or flaking of the coats of paints and textured finishes that have been applied.
- If the fillers have been appropriately selected, the coatings are resistant to acids and industrial gases.
- The textured finishes and paints have a natural appearance.
- Passivates reactive multivalent metal ions.
- Well-formulated paints and finishes have a long life in drums and on the substrate.
- The product is very versatile and compatible with various substrates.
- Is very economic because of its great stability and durability.
- The paints and textured finishes are flame retardant.
- The inclusion of Betolin Quart products in the formulations enhances the wettability and the adhesion and reduces efflorescence and staining.

FIELDS OF APPLICATION

Betolin P 35E is an eminently suitable binder for silicate plasters and emulsion-silicate paints (cf. DIN 18 363, paras, 2.4.1 and 3.2). Its high binder concentration recommends its use in textured finishes. More water is required in formulations for paints.

INSTRUCTIONS ON USE

Drums containing Betolin P 35 must always be kept tightly closed. Adjoining areas of glass, cement, ceramic, metal, and natural stone must be well masked before the paints are applied. Splashes and spills must be immediately removed with water. The tools must be cleaned with water immediately after use. Some Trilon B and caustic soda may be added to the water in order to improve clean-up.

STORAGE

Betolin P 35 must be protected from frost during storage. Its shelf life in tightly closed drums is at least twelve months, and it can also be kept for twelve months in storage tanks.

RISK AND SAFETY PHRASES

Not classified as dangerous substance according to EC regulations

DELIVERY

265-kg drums
Road tankers

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