

# Betol<sup>®</sup> K 42 T

## Binder and Adhesive for Silicate based Coatings, Glues and Insulation Materials

### Chemical description

Betol K 42 T is an inorganic binder based on an aqueous solution of potassium silicate.

### Mode of action

Betol K 42 T reacts with and adheres to mineral surfaces by silicification. Due to the good bonding capacity and high temperature stability fire and acid proof glues and sealants can easily be formulated. In combination with special inorganic or organic hardeners enhanced curing and water resistance can be achieved.

### Specification (average values)

Dry content:	approx. 40,0 %	007 *)
Density (20°C):	approx. 1,40 g/cm <sup>3</sup>	042 *)
pH value:	approx. 12,0	008 *)
Viscosity (20°C):	approx. 60 mPas	053 *)
Solubility:	soluble in water in any proportion	

\*) Internal method code – description available on request

### Properties

- storage stable alkaline liquid,
- good bonding power and effect,
- excellent adhesion to mineral surfaces,
- heat and acid resistant,
- stable even under extreme climatic conditions,
- anticorrosive, antistatic, stable against UV radiation,
- does not evolve any noxious gases / vapours in case of fire.

### Application

- construction industry / construction chemicals,
- acid proof mortars and refractories,
- mineral coatings,
- hardener for mineral (e.g. cement) based mortars or plasters,
- sealing of brick walls against rising humidity,
- insulation materials.

### Note

Keep Betol K 42 T in closed receptacles. Before application a thorough hiding of glass, ceramics, light metals and natural stones is necessary. In case of spilling or splashing wash immediately with water. At the end of the work clean tools immediately with (warm) water.

### Storage

Protect Betol K 42 T from frost. Storage stability in closed containers at least 12 months. Do not store Betol K 42 T in aluminium or galvanized receptacles.

**Labelling / Safety**

Please see safety data sheet

**Packaging**

30 kg Can  
Container

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