

# Betol<sup>®</sup> K 35 T

## Binder and Adhesive for Silicate based Coatings, Glues, Insulation Materials and the Production of Welding Rods

### Chemical description

Betol K 35 T is an inorganic binder based on aqueous solution of potassium silicates.

### Mode of action

Betol K 35 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. Due to the optimized composition excellent baking, storage and welding properties of welding rods can be achieved.

### Specification (average values)

Dry content:	approx. 35,0 %	007 *)
Density (20°C):	approx. 1,32 g/cm <sup>3</sup>	042 *)
pH (conc.):	approx. 11,0	008 *)
Viscosity (20°C):	approx. 55 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,
- appropriate welding properties,
- 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,
- binder for the production of welding rods.

### Note

Keep Betol K 35 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**

Do not store Betol K 35 T in aluminium or zinc-plated containers. Protect from frost. Storage stability in closed original containers at least 12 months.

**Labelling / Safety**

Not subject to classification according to EC Guidelines and German Ordinance on Hazardous Materials (GefStoffV).

**Packaging**

30 kg can  
250 kg drum  
Container  
Road tanker

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