

Betol[®] KL 33 T1

Binder for the production of welding rods

Chemical description

Betol KL 33 T1 represents an inorganic binder based on aqueous solution of potassium silicate and lithium compounds comprising an improved wetting effect.

Mode of action

Due to the optimized composition excellent baking, storage and welding properties can be achieved.

Due to the improved wetting effect, even problematic powders can smoothly be incorporated.

Specification (average values)

Dry content:	approx. 37 %	007 *)
Density (20°C):	approx. 1,35 g/cm ³	042 *)
pH (conc.):	approx. 11,3	008 *)
Viscosity (20°C):	approx. 200 mPas	053 *)
Aspect:	opaque liquid	

*) Internal method code – description available on request

Properties

- Good storage stability,
- very good wetting behaviour for inorganic and metallic powders,
- high binding power,
- good water resistance after curing,
- very low tendency of efflorescence,
- beneficial welding properties.

Application

Betol KL 33 T1 is applied as a binder for the production of welding rods. It may also be used as binder for acid and fireproof cements or joint fillers or for stone repair products (e.g. sandstone).

Note

Betol KL 33 T1 is only slightly hazardous for ground water. During the production process and also at high temperatures no hazardous foams, fogs or decomposition products are evolved.

Storage

Do not store Betol KL 33 T1 in aluminium or zinc-plated containers. Protect from frost. Storage stability in closed original containers at least 6 months.

Labelling / Safety

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

Packaging

Container

10/2015