Collosil® 660

Adhesive, based on soluble silicates

Chemical description

Collosil 650 is an adhesive for refractories, based on soluble silicates for stable and high strength bonds.

Mode of action

Collosil 660 is cured both by physical drying (water abstraction) and by reaction with carbon dioxide (contained in the air) or with reactive substrate surfaces. The inorganic ingredients are heat stable and withstand temperatures – even when cooling is repeated – up to 800°C. The preferred application of Collosil 660 is in original concentration, the dilution with a small quantity of water is possible.

Specification (average values)

Solids content:	approx. 50,0 %	007 *)
Density (20°C):	approx. 1,60 g/cm³	042 *)
pH value:	approx. 11,0	008 *)
Viscosity (20°C):	approx. 2.500 mPas	053 *)
Solubility:	miscible with water in any ratio	
Appearance:	light brown, viscous	
Smell:	mild	

*) *Internal method code – description available on request*

Properties

- Good initial tack
- Enhanced flexibility in comparison to pure silicate based adhesives
- Flame-retarding properties
- Fire and acid proof
- Non-toxic
- High bond strength
- Good wetting properties
- Good storage stability
- Sensitive to frost

Application

Collosil 660 is preferably applied for high temperature applications till 800°C, for acid resistant applications as well as for fabric lamination.

Notice

Collosil 660 has to be homogenized by stirring before application. Collosil 660 is sensitive to frost as from +5°C.

Storage

Collosil 660 must not be stored in aluminium or galvanized containers. The receptacles must be kept tightly closed. Storage stability in originally sealed containers 6 months.

Labelling / Safety	Not classified as dangerous according to CLP Regulation.
Packaging	On request.
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