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.

Any technical application recommendations, verbal or in writing, provided by us in good faith to our customers/users for their assistance and on the basis of our experience and present state of knowledge are absolutely noncommittal. This also applies to any existing industrial property rights or foreign statutory provisions. Any recommendation of ours can therefore not be regarded as a legal relationship or contractual commitment, nor does it establish any sales contract deed of conveyance. It is the buyer’s responsibility to examine the suitability of our products for their intended application.
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