

Collosil[®] 135

Inorganic adhesive based on an alkali silicate binder

Chemical description

Collosil 135 is a modified alkali silicate solution.

Mode of action

Collosil 135 is applied and drawn down direct without any additive whatever onto the paper web. It can be used in spiral and parallel winding.

Specification (average values)

| | | |
|------------------------------|------------------------------|--------|
| Density (20°C): | approx. 1,37/cm ³ | 042 *) |
| pH value (10 % in water): | approx. 11,3 | 008 *) |
| Viscosity (20°C): | approx. 100 mPas | 053 *) |
| Appearance: | colourless liquid | |

*) Internal method code – description available on request

Properties

- Stable, alkaline liquid,
- Readily wets paper webs,
- Good penetration in sized and unsized paper board,
- Excellent adhesion on spiral and parallel-wound paper webs,
- Imparts very good strength in the final tubes,
- Nontoxic,
- Noncombustible,
- Does not give rise to any COD load in the water circuit during recycling.

Application

Collosil 135 is used for bonding paper and paper board.

Storage

Collosil 135 must be protected from frost and must not be stored in aluminium or galvanized containers. The containers must be kept tightly closed.

Labelling / Safety

Not classified as dangerous according to EC Guidelines and German Ordinance on Hazardous Materials (GefStoffV).

Packaging

280 kg drum
Container
Road tanker

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