

# Collosil<sup>®</sup> 145

## Inorganic adhesive based on an alkali silicate binder

### Chemical description

Collosil 145 is a modified alkali silicate solution.

### Mode of action

Collosil 145 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. 1,35 g/cm <sup>3</sup>	042 *)
pH:	approx. 11,3	008 *)
Viscosity (20°C):	approx. 45 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 145 is used for bonding paper and paper board.

### Storage

Collosil 145 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

Container  
Road tanker

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