

Promat®-Kleber K84 and K84/500 Single component glue



www.promat-see.com





Product description

Ready to use solvent-free, inorganic adhesive, modified with special fillers. Promat®-Kleber K84 does not release any toxic or flammable gases and is available in different options with different properties and/or viscosities. Promat®-Kleber K84 and Promat®-Kleber K84/500 have smooth creamy texture.

Fields of application

For construction of PROMATECT® ventilation and smoke extraction ducts, for bonding of mineral wool and Promat fire resistant construction boards as well as in special fire protection structures, for use in fire doors and gates, for all interior applications, except in high humidity.

Processing

The surfaces to be bonded should be dry, free from any dust, grease and oil. The adhesive should be stirred well before processing and the hoses knead. When delivered in barrels or large containers, the use of mechanical stirrers is required in order to prevent adhesive settling.

The consistency of adhesive depends on the temperature. At low temperatures, the adhesive may be stiff and needs to be heated in a water bath. Optimal processing temperature ranges between +10°C and +20°C. The lowest processing temperature, the temperature of the materials to be bonded and the ambient temperature during the curing time should not fall below +5°C.

The application of Promat®-Kleber K84 is done by using a notched trowel (serrated, gap width about 3 mm). The adhesive can be applied on one side. To ensure an optimal spread of the adhesive slightly rotate the assembled parts to be bonded. When bonding together materials with different densities the adhesive should be applied on the material with higher density.

When bonding the materials of high density the longer setting times can be expected due to reduced air access. Please ensure that there is no closed skin formation on the adhesive surface. The bonding should be done on plane surface. Also for stacking of already bonded pieces a plane surface is required. The excessive glue shall be removed with a spatula.

Clean the tools with water immediately after processing. Close opened buckets tight after use, deplete bags quickly.

Storage requirements

Store in a cool, dry place, at temperatures not below +5°C. Shelf-life at least 9 months in original sealed containers.

Packaging

- plastic bag 1 kg
- plastic bucket 15 kg
- barrels on request

Subject to change.

Technical data and properties

Reaction to fire	A1, EN 13501-1
Behaviour during fire	no release of any toxic or flammable gases in case of fire
Solubility	water soluble
Consumption	approx. 1,2 to 1,8 kg/m ² at bonding to large surface (depending on the surface properties)
Open time	approx. 3 to 8 minutes (depending on temperature, air humidity, material humidity and substrate absorbency)

Promat®-Kleber K84

Colour	grey
Viscosity	pasty, In bucket: approx. 30.000 mPa·s (Brookfield Sp. 67/150 UpM) *
Curing	approx. 24 hours (+20°C)
Completely cured	approx. 1 week

* In bag: approx. 25.000 mPa·s ± 5.000 mPa·s

Promat®-Kleber K84/500

Colour	beige
Viscosity	pasty, approx. 27.000 mPa·s (Brookfield Sp. 67/150 UpM)
Curing	approx. 24 hours (+20°C)
Completely cured	approx. 1 week

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