

Promat® -Kleber K84



**Product Description**

Ready to use solvent-free, inorganic adhesive, modified with special fillers. Promat® K84-adhesive emits no toxic or combustible gases and is in different versions with different features and viscosities available. Promat® K84-adhesive and Promat® Glue K84/500 have fine, pasty consistency.

**Applications**

For the construction of PROMATECT® Ventilation ducts, for bonding mineral wool, Promat Fire protection construction panels and in special Fire-protection structures, for use in T-30 to T-120 doors. Application for indoor use, except damp and wet rooms..

**Processing**

The surfaces to be bonded must be dry, dust, grease and oil free.

The adhesive requires to be well stirred before use. Delivery in drums or bulk containers requires use of machine agitators. The consistency of the adhesive is dependent on the temperature. At low temperatures, the adhesive may be stiff and needs to be heated in a water bath. The best working temperatures are between +10 °C and +20 °C. When working at low temperatures, the temperature of the materials to be bonded and the working area during the cure must not fall below +5 °C.

The application of Promat® K84-adhesive is done by using a notched trowel (gaps about 3 mm). The application of the adhesive can be done unilaterally. Ensure an optimal spread of the adhesive, for example, slightly rotate assembled parts to be bonded. When bonding materials having different densities, spread the adhesive on the denser material. When bonding materials of high density due to the reduced air access expect longer curing times.

It is important to ensure that the adhesive surface does not form a hard skin. The parts to be bonded must be mechanically held on flat surface. The excess of material must be removed with a spatula. The tools must be directly cleaned with water. Seal buckets tightly, hoses quickly using the original cover.

**Special Notes**

Other adhesive versions on request. Certification for use in shipbuilding available on request.

**Specifications and Features**

Material class	Non-flammable, Building Material Class A1 in accordance with DIN 4102.
Reaction to fire	in case of fire no toxic or flammable gases are released
Moisture behavior	water soluble, protect against water
Consumption	about 1.2 to 1.8 kg/m <sup>2</sup> at large bonding surface (depending on the surface characteristics)
open time	approximately 3 to 8 minutes (affected by temperature, humidity, and air and fluid suction ability of material)
Storage	not below +5 °C.
Shelf Life	at least 6 months
<b>Promat® -Kleber K84</b>	
Color	gray
Viscosity	pasty, (Brookfield) Bucket: 120000 ± 15000 mPa s Tube: 100000 ± 20000 mPa s
Curing	after about 24 hours (+20 °C)
Full hardening	1 Week
Packaging	in plastic bucket, contents: 15 kg the plastic hose, Contents: 1 kg Drums on request.
<b>Promat® -Kleber K84/500</b>	
Color	beige
Viscosity	pasty, 190000 ± 20000 mPa s (Brookfield)
Curing	after about 24 hours (+20 °C)
Full hardening	1 Week
Packaging	in plastic bucket, contents: 15 kg the plastic hose, Contents: 1 kg Drums on request.