

Kestopur 200/40



Kestopur 200/40 is a two-component polyurethane adhesive for the gluing of metal, wood and insulation materials, as well as fibre composites in sandwich panel constructions for the transportation industry.



- Solvent-free
- Strong, durable
- Suitable for automatic application

AREA OF APPLICATION

Kestopur 200/40 gives a strong, yet elastic bond. Suitable for both manual and automatic application. Designed for sandwich panel manufacture. Suitable for e.g. the gluing of metals, wood, insulation materials and fibre composite. With plastics, test suitability before full-scale application. Used in conjunction with Kestopur 200/S hardener. Adhesive is compliant with M1 Emission Classification of Building Materials.

INSTRUCTIONS FOR USE

The surfaces to be bonded must be clean and dry. Remove oxides by sanding, and grease and other dirt with Kiilto Cleaner 303. The properly cleaned surface can be sanded and then primed with Kiilto Cleaning Primer to improve adhesion. Remove the sanding dust carefully prior to adhesive application. Stir Kestopur 200/40 resin before use. Add Kestopur 200/S hardener to the resin, and mix until a uniform colour is achieved. Apply the adhesive on one or both sides of the materials to be bonded. Fresh adhesive stains are removed with a dry cloth and surfaces are wiped with Kiilto Cleaner 303 or Kiilto Cleaner 302. Hardened adhesive can only be removed by mechanical means. We recommend gluing at room temperature. The open time of the adhesive depends on temperature and air humidity. However, the gluing can be carried out at lower temperatures (even at +10 °C), but then the pressing time will be significantly longer and spreading properties will suffer. A higher pressing temperature will shorten the pressing time.

ADDITIONAL INFORMATION

The information given in this product data sheet is based on our tests and our practical knowledge. The technical data is defined in standard conditions. Variations in local working conditions will affect the product performance and result. The result is also strongly affected by working methods. We guarantee the high quality of our products according to our Quality Management System. No liability can be accepted from incorrect use of the product or prevailing conditions, over which we have no control. Thus, we cannot be held responsible for the final result. The user of the product must test the product's suitability for the intended application.

TYPE/BINDER	Polyurethane
DENSITY/SPECIFIC WEIGHT	Resin approx. 1.60 kg/dm ³ , Hardener approx. 1.20 kg/dm ³
LAP SHEAR STRENGTH	SS 10 N/mm ² (28 d 23 °C, 50 % RH)
TENSILE STRENGTH	10 N/mm ² (DIN 53504)
ELONGATION AT BREAK	35 % (DIN 53504)
HARDNESS	Shore D 60
MIXING RATIO	5 weight part Kestopur 200/40 resin + 1 weight part Kestopur 200/S hardener
VISCOSITY	Resin approx. 17 000 mPas, Hardener: approx. 200 mPas (Brookfield RVT 20 °C)
MIXTURE VISCOSITY	approx. 7000 mPas (Brookfield RVT 20 °C)
MIXTURE COLOUR	Beige
POT LIFE	approx. 40 min (120g, 20°C, 50 % RH)
OPEN TIME	max. 1 h 20 min / 23 °C, RH 50 %
CONSUMPTION	150–500 g/m ² depending on materials
PRESSING TIME	min. 4 h / 20 °C
STORAGE	Unopened at +10–25 °C in a container (1000 l) for 6 months, in smaller containers 12 months. After long storing, stir before use.