



Product code : 50061E

ISOLEMFI 50061E

DESCRIPTION

ISOLEMFI 50061E is a fast curing polyurethane two parts adhesive.

AREAS OF APPLICATION

ISOLEMFI 50061E mixed with hardener 521 can be used for bonding of hard insulating foams like extruded or expanded polystyrene and phenolic foam or of panels from mineral wool on plaster boards (with or without vapour shield), fibre-cement, steel sheets, aluminium for production of partition walls and thermic insulation elements.

TECHNICAL DATA

	PART A	PART B
Type of product	Based on polyethers	Isocyanate
Colour	Beige	Dark brown
Viscosity at 20 °C	Brookfield RVT 3 / 10 rpm : 6,000 ± 1,000 mPa.s	Brookfield LVT 3 / 30 rpm : 300 ± 100 mPa.s
Density at 20 °C	1.39 ± 0.02	1.23 ± 0.02
Conventional solids content (EN 827)	> 99 %	100 %

ADVICE

See material safety data sheets of both components.

MIXTURE A + B	
Mixture (in weight)	A/B = 100/40
Mixture (in volume)	A/B = 100/45
Application temperature	15 to 30 °C
Open time at 20 °C	Ca 7 min
Pressing time at 20 °C	Ca 18 min
Final setting time at 20 °C	24 h
Temperature resistance of the assemblies	-40 to +100 °C
Calorific power	18,1 MJ/kg
Specific data	Colour : dark beige Density at 20 °C : 1.34 ± 0.02



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INSTRUCTIONS FOR USE

Substrates preparation :

The substrates to be assembled must be flat, dry, dust-free and not have any traces of grease or other contaminants that could adversely affect the bonding performance.

If the substrates need to be cleaned, use EMFINET 683, methylethylketone (MEK) or acetone.

The use of solvents must comply with local regulations. Check the compatibility of the solvent used with the substrates. If necessary, rub down metal surfaces beforehand.

When using solvents, extinguish all sources of ignition and carefully follow the safety and handling instructions given by the manufacturer.

Application :

Mixture has to be done with a special two-component pump through a static mixer in one-way application.

The setting speed is slower at low temperature and quicker at high temperature.

So, it is necessary :

- in case of working under 20 °C : to be sure that pressing time is long enough

- in case of working over 20 °C : to be sure that open time and closed assembly time are not excessive. Otherwise defective bonding could happen.

If necessary, refer to our technical service.

The reaction between the components A and B is exothermic. As a result, the mixture can quickly reach a temperature over 30 °C.

Assembling has to be followed by a uniform and maximum pressure applied across the entire surface without irreversible deformation of the substrates.

Cleaning :

Tools should be cleaned with EMFINET 683, MEK or acetone before the adhesive has completely cured. After curing, abrasion is necessary.

CONSUMPTION

200 to 300 g/m² depending on materials.

STORAGE AND SHELF LIFE

In closed original packaging stored in dry premises between 5 and 25 °C :

50061E : 3 months

Hardener 521 : 12 months

PACKAGING

Metal containers.

SAFETY

50061E : not classified as hazardous. Hardener 521: harmful

Read material safety data sheet before use.

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired.

Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product.

Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions.

The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.