



Product code : 50061E

## ISOLEMFI 50061E + HARDENER 521

### DESCRIPTION

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

### AREAS OF APPLICATIONS

ISOLEMFI 50061E can be used for continuous bonding of insulation panels (for example expanded or extruded polystyrene, mineral wool) on aluminium or steel.

### TECHNICAL DATA

	Part A ISOLEMFI 50061E	Part B HARDENER 521
Type of product	Based on polyethers	Isocyanate
Color	Beige	Dark brown
Viscosity at 20°C	Brookfield RVT 5 / 10 rpm: 10 500 ± 1 500 mPa.s	Brookfield LVT 2 / 30 rpm: 250 ± 100 mPa.s
Density at 20°C	1.48 ± 0.03	1.23 ± 0.02
Mixture (in weight)	A / B = 100 / 40	
Mixture (in volume)	A / B = 100 / 45	
Color of mix	Dark beige	
Density of mix at 20°C	1.34 ± 0.02	
Application temperature	15 to 30°C	
Open time at 20°C	Approx. 7 min	
Pressing time at 20°C	Approx. 18 min	
Pressing time at 45°C	3 min	
Final setting time at 20°C	24 h	
Temperature resistance	-40 to +100°C	
Calorific value	Approx. 18 MJ/kg	
Cleaner	EMFINET 683 before setting (highly flammable)	

### INSTRUCTIONS FOR USE

Substrates preparation:

The substrates to be bonded must be even, dry, dust free and not have any traces of grease or other contaminants that could harm bonding.

If the substrates need to be cleaned, use EMFINET 683, methylethylketone (MEK) or acetone. For materials sensitive to ketones, use ethanol.

Check their compatibility with the substrates.

If necessary, rub down metal surfaces beforehand. Clean them after rubbing down. Allow to dry after degreasing.

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

#### Application:

ISOLEMFI 50061E is to apply on one of the substrates to be bonded with a two-component pump through a static mixer, in a one-way and uniform application. Respect the mixing weight ratio part A / part B of 100/40.

Distribute evenly over the entire surface and press to ensure a perfect contact between substrate and adhesive. Exert the maximum possible pressure without deforming the material in an irreversible way

The setting time depends on temperature.

It is therefore imperative:

- in case of working under 20°C: to ensure that pressing time is sufficient;
- in case of working over 20°C: to ensure that open time and closed assembly time are not excessive.

Otherwise, defective bonding could happen.

#### Cleaning:

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

#### CONSUMPTION

200 to 300 g/m<sup>2</sup> depending on application method and materials to be bonded.

#### STORAGE AND SHELF LIFE

In closed original packaging stored at a temperature below 25°C.

ISOLEMFI 50061E (part A): 6 months

HARDENER 521 (part B): 12 months

In cold weather, store the packaging at about 20°C before use.

#### PACKAGING

1,250 kg containers.

Contact us for other packaging options.

#### SAFETY

Read material safety data sheets of both components 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.