



Product code : 50058E

## ISOLEMFI 50058E + HARDENER 50058B

### DESCRIPTION

Polyurethane two parts adhesive.

### AREAS OF APPLICATION

ISOLEMFI 50058D mixed with hardener 50058B allows bonding of wide variety of materials, eg : polystyrene foam, polyurethane foam, phenolic foam, foam glass, mineral wool, laminate, ceramic tiles on plaster board with cardboard or aluminium vapour shield, wood, chipboard, polyester, steel or aluminium sheets, fibrecement.

### TECHNICAL DATA

	PART A	PART B
	ISOLEMFI 50058E	HARDENER 50058B
Type of product	Based on polyols	Based on isocyanates
Colour	Light beige	Beige
Viscosity at 20 °C	Brookfield RVT / spindle 7 / 5 t/min : 120 000 ± 40 000 mPa.s Brookfield RVT / spindle 7 / 50 rpm : 32 000 ± 4 000 mPa.s	Brookfield HBT / spindle 5 / 20 rpm : ca 57,000 mPa.s
Density at 20 °C	1.25 ± 0.05	1.36 ± 0.03
Conventional solids content (EN 827)	> 95 %	100 %
Cleaner	EMFINET 683 before setting (highly flammable)	EMFINET 683 before setting (highly flammable)

### ADVICE

See material safety data sheets of both components.

### MIXTURE A + B

Mixture (in volume)	A/B = 1/1
Open time at 20 °C	60 min*
Final setting time at 20 °C	48 h*
Temperature resistance of the assemblies	-40 to +100 °C
Final Shore D hardness	Ca 70
Smoothing time	30 min*
Specific data	Appearance : thixotropic, no sagging, beige Density : 1.30 ± 0.05

\*this time is valuable for a temperature of 20 °C. It is longer under 20 °C and shorter over 20 °C

It is therefore necessary to specify precisely working and pressing times before any manufacturing ; otherwise, defective bonding could happen.

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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.

Check the compatibility of the solvent used with the substrates.

If necessary, rub down beforehand. Clean again after rubbing down.

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

### Application :

Use a special two-component cartridge with static mixer nozzle and an appropriate manual applicator gun.

Apply mixed adhesive in strips onto one of the substrates to be bonded and spread uniformly if need be with a scraper.

The thixotropic consistency of the mixture ensures no sagging.

Press to ensure a perfect contact between substrates and adhesive.

To specify the times, see the paragraph titled "Technical data";.

It is advised to work at a temperature between 15 and 30 °C.

### Cleaning :

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

## CONSUMPTION

200 to 300 g /m<sup>2</sup> according to materials

## STORAGE AND SHELF LIFE

12 months in closed original packaging stored in dry premises between 5 and 25 °C

## PACKAGING

Two-component cartridges

## SAFETY

ISOLEMF1 50058E (part A) is irritant.

HARDENER 50058B (part B) is harmful.

Read material safety data sheets 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.