



Product code : 220300

## ISOLEMFI S 35

### DESCRIPTION

Polyurethane two parts adhesive.

### AREAS OF APPLICATION

ISOLEMFI S 35 mixed with HARDENER 521 can be used for bonding hard insulating foams like extruded or expanded polystyrene, phenolic foam or mineral wool panels 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
	ISOLEMFI S 35	HARDENER 521
Type of product	Based on polyols	Based on polyisocyanates
Colour	Cream-like	Dark brown
Viscosity at 20 °C	Ca 100,000 mPa.s	Brookfield LVT / spindle 2 / 12 rpm : ca 250 mPa.s
Density at 20 °C	Ca 1.54	1.23 ± 0.02
Conventional solids content (EN 827)	100 %	

### ADVICE

See material safety data sheets of both components.



MIXTURE A + B	
Mixture (in weight)	A/B = 100/20
Application temperature	15 to 30 °C
Pot life	Ca 50 min**
Open time at 20 °C	Ca 3 h*
Pressing time at 20 °C	6 to 8 h*
Final setting time at 20 °C	3 d*
Temperature resistance of the assemblies	-40 to +100 °C
Specific data	Viscosity after 3 min : Brookfield HBT / spindle F / 5 rpm : ca 30,000 - 35,000 mPa.s

\* This time 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.

\*\* This time is valuable for a mixture of 200 g. Reaction between A and B components is exothermic ; as a result, pot life may be shorter with greater mixture weight.

## 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 metal surfaces beforehand. Clean them after rubbing down.

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

### Application :

Mix both components until homogeneous pale beige colour.

Make sure of the right mixture ratio between A and B components.

Apply a uniform layer onto one of the substrates to be bonded with a notched spreader and press on the whole surface during setting to ensure a perfect contact between substrates and adhesive.

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

### 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 400 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

600 g cans

## SAFETY

ISOLEMFI S 35 (part A) is not classified as hazardous.

Hardener 521 (part B) is harmful.

Read material safety data sheets before use.

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