



Product code : 50041A

ISOLEMFI 50041A + HARDENER 521

DESCRIPTION

Very fast curing polyurethane two parts adhesive.

AREAS OF APPLICATION

ISOLEMFI 50041A mixed with HARDENER 521 can be used for bonding a wide variety of materials, e.g. : extruded or expanded polystyrene, polyurethane or phenolic foam, mineral wool to plaster boards (with or without aluminium vapour shield), wood, agglomerates, polyester, steel or aluminium sheets, fibre-cement.

TECHNICAL DATA

	PART A	PART B
	ISOLEMFI 50041A	HARDENER 521
Type of product	Based on polyols	Isocyanates
Colour	Transparent clear yellow	Dark brown
Viscosity at 20 °C	Brookfield LVT / spindle 2 / 30 rpm : 650 ± 100 mPa.s	Brookfield LVT / spindle 3 / 30 rpm : 300 ± 100 mPa.s
Density at 20 °C	1.03 ± 0.02	1.23 ± 0.02
Conventional solids content (EN 827)	93.5 ± 1.5 %	100 %

ADVICE

Read material safety data sheets of both components.

Storage from
5 to 25 ° C

MIXTURE A + B

Mixture (in weight)	A/B = ISOLEMFI 50041A/HARDENER 521 = 100/150
Pot life	Ca 30 s
Open time at 20 °C	Ca 30 s
Calorific power	Ca 34 MJ/kg
Specific data	Colour : beige Pressing time at 40 °C : ca 1 min 30 s

INSTRUCTIONS FOR USE

Preparation of substrates :

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

They may be cleaned with EMFINET 683 or methylethylketone (MEK).

Check the compatibility of the solvent used with the substrates.

For materials sensitive to ketones, use EMFINET 688/1 or ethyl alcohol.

If necessary, rub down metal surfaces beforehand. Clean them after rubbing down.

Let dry after degreasing.

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

Application :

Mix both components thoroughly before applying.

Be sure of the right ratio between both components.

Spread uniformly on the whole of one of both surfaces e.g. with a scraper and assemble immediately.

Assembling has to be followed by a uniform and maximum pressure applied across the entire surface without irreversible deformation of substrates, ensuring a perfect contact between the adhesive and the substrates during setting.

The setting time depends on temperature. So it is necessary :

- in case of working under 40 °C : to be sure that the 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.

Cleaning :

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

CONSUMPTION

Ca 130 g /m²

STORAGE AND SHELF LIFE

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

PACKAGING

Metal packagings

SAFETY

ISOLEMFI 50041A (part A) is highly flammable.

HARDENER 521 (part B) is harmful.

Read material safety data sheets before use.

PRECAUTIONS FOR USE

As reaction is exothermic, do not mix both components in a large quantity ; otherwise, temperature could increase too much and pot life would decrease.

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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.

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