



Product code : 50126C

## ISOLEMFI 50126C MONO

### DESCRIPTION

ISOLEMFI 50126C MONO is a fast moisture curing one-part polyurethane adhesive.

### AREAS OF APPLICATION

ISOLEMFI 50126C MONO is specially designed for manufacturing of sandwich panels (caravan, technical floors, partition walls, building cladding panels).

ISOLEMFI 50126C MONO can be used to bond hard insulating foams like PU, extruded or expanded polystyrene, or panels from mineral wool to wood, steel or aluminium sheets, polyester, ), fibre-cement, plaster boards.

For difficult materials, particularly galvanized steel, raw aluminium, polyester, it is necessary to make tests beforehand.

### TECHNICAL DATA

Colour	Red
Viscosity at 20 °C	Brookfield RVT / spindle 3 / 10 rpm : 4,500 ± 1,500 mPa.s
Density at 20 °C	1.125 ± 0.010
Open time at 20 °C	5 min*
Pressing time at 20 °C	25 min*
Final setting time at 20 °C	5 h*
Calorific power	Ca 31 MJ/kg
Temperature resistance of the assemblies	-40 to +100 °C
Cleaner	EMFINET 683 before setting (highly flammable solvent)
Specific data	Maximum time between coating and putting under press at 20 °C (in case of immediate assembly) : 7 min* Pressing time at 45 °C : 6 min* on steel sheet Pressing time at 70 °C : 6 min 30 s* on plywood up to 6 mm thick

\*in case of water mist spraying upon the layer of the adhesive

### ADVICE

See also material safety data sheet



### 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.

Clean them with EMFINET 683 or methylethylketone (MEK). Solvents must comply with local regulations. 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 or supplier.

**Application :**

ISOLEMFI 50126C MONO can be applied on one of the substrates to be bonded by spraying with a pneumatic gun, or with a roller or by extrusion.

If both substrates are non porous, it is imperative to spray a light water mist (10 to 15 g/m<sup>2</sup>) onto the adhesive film. Assembling has to be followed by a uniform and maximum pressure applied across the entire surface without irreversible deformation of substrates.

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

- in case of working under 20 °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**

100 to 150 g/m<sup>2</sup> according to the materials

**STORAGE AND SHELF LIFE**

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

**PACKAGING**

Metal packagings

**SAFETY**

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.