



Product code : 50121A

## ISOLEMFI 50121A MONO

### DESCRIPTION

ISOLEMFI 50121A MONO is a single component moisture-curing polyurethane adhesive.

### AREAS OF APPLICATION

ISOLEMFI 50121A MONO has been specially designed for water-resistant assemblies of substrates such as wood, concrete, PU foam, PS foam, metals and other building materials on porous substrates.

### TECHNICAL DATA

Appearance	Thixotropic paste
Colour	Beige
Viscosity at 20 °C	Brookfield HBT / spindle7 / 5 rpm : 350,000 ± 70,000 mPa.s
Density at 20 °C	1.37 ± 0.05
Conventional solids content (EN 827)	> 98 %
Open time at 20 °C	3 min*
Pressing time at 20 °C	Ca 2 h* in thin layer
Final setting time at 20 °C	48 h*
Temperature resistance of the assemblies	- 30 to + 100 °C

\* these time is accurate for 50 % RH and depends on temperature : it is shorter over 20 °C and longer under 20 °C

### ADVICE

See also material safety data sheet



### INSTRUCTIONS FOR USE

#### Substrate preparation :

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

They can be cleaned with EMFINET 683, methylethylketone (MEK) or acetone may be used.

The use of solvents must comply with local regulations. Check the compatibility of the solvent used with the substrates. If necessary, rub down metal surfaces beforehand.

After rubbing down, clean the surface. Allow the substrate to dry after degreasing.

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

#### Caulking :

The adhesive can be applied to one of the surfaces to be bonded :

- on the whole surface with a notched spreader
- in rope form with a cartridge gun

One of the materials to be bonded must be porous or contain moisture.

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 pressure in order to get contact on the whole surface during the setting.

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 EMFINET 683, MEC or acetone before the adhesive has completely cured. After curing, abrasion is necessary.

#### CONSUMPTION

Ca 400 g/m<sup>2</sup>

#### STORAGE AND SHELF LIFE

6 months in hermetically sealed original packaging stored between 5 and 25 °C

#### PACKAGING

310 ml cartridges and 250 kg metal drums

#### SAFETY

Harmful. Read the material safety data sheet before use.

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