



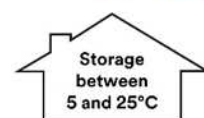
Product code : 50040B

ISOLEMFI 50040B MONO

D4 classified according to EN 204 and 205 standards.

DESCRIPTION

ISOLEMFI 50040B MONO is a one-component polyurethane-based moisture curing adhesive. The cured film presents a very good behavior to heat as well as a good behavior to hydrolysis. Wood to wood bonding performed with ISOLEMFI 3300 present an excellent water resistance (D4 classification according to EN 204 and 205 standards).



AREAS OF APPLICATIONS

ISOLEMFI 50040B MONO is used for the bonding of various insulating materials (expanded or extruded polystyrene, polyurethane foam, phenolic foam, mineral wool panels) on wood, pressed wood, plaster boards, concrete or stone, and to bond wood to wood. For difficult materials like metals, polyester or PVC, it is necessary to make tests beforehand. ISOLEMFI 50040B MONO must not be used in toys and childcare articles which can be placed in the mouth by children.

TECHNICAL DATA

Appearance	Thixotropic paste
Color	Milky
Viscosity at 20°C	Brookfield RVT 7 / 5 rpm : 400,000 ± 100,000 mPa.s
Density at 20°C	1.07 ± 0.02
Skin formation time at 20°C and 65 % RH	Approx. 3 min
Pressing time at 20°C and 65 % RH	30 min
Final setting time at 20°C	24 h
Temperature resistance	-30 to +100°C
Cleaner	EMFINET 683 before setting (highly flammable)

INSTRUCTIONS FOR USE

Substrates preparation:

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

If the substrates need to be cleaned, use EMFINET 683, methylethylketone (MEK) or acetone. For materials sensitive to ketones, use ethanol.

Check their compatibility with the substrates.

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

Application:

ISOLEMFI 50040B MONO is to apply in beads on one of the substrates to be bonded by a gun or deposited with a toothed spatula.

Distribute evenly over the entire surface and press to ensure a perfect contact between substrate and adhesive. Exert the maximum possible pressure without deforming the material in an irreversible way.

One of the substrates to be bonded must be porous or contain moisture. If both substrates are non-porous, it is imperative to spray a light water mist on the adhesive (10 to 15 g on 100 g adhesive) before pressing.

The setting time depends on hygrometry and temperature.

It is therefore imperative:

- in case of working under 20°C: to ensure that pressing time is sufficient;
- in case of working over 20°C: to ensure that open time and closed assembly time are not excessive.

Otherwise, defective bonding could happen.

Cleaning:

Tools can be cleaned with EMFINET 683, methylethylketone (MEK), acetone or EMFICLEAN AL wipes before the adhesive has completely cured. After curing, abrasion is necessary.

CONSUMPTION

150 to 250 g/m² depending on application method and materials to be bonded.

STORAGE AND SHELF LIFE

12 months in closed original packaging stored at a temperature between 5 and 25°C.

In cold weather, store the packaging at about 20°C before use.

Keep out of reach of children.

PACKAGING

300 ml cartridges, 20 and 200 kg metal drums.

Contact us for other packaging options.

SAFETY

Read material safety data sheet before use.

PRECAUTIONS FOR USE

Restricted to professional users.

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.