



Product code : 50135L

ISOLEMFI 50135L MONO

DESCRIPTION

ISOLEMFI 50135L MONO is a fast one-component polyurethane-based moisture curing adhesive.

AREAS OF APPLICATIONS

ISOLEMFI 50135L MONO is mainly intended for the manufacturing of sandwich panels (caravans, motorhomes, technical floors, wall panels, building cladding panels).

ISOLEMFI 50135L MONO is used for the bonding of various insulating materials like polyurethane foam, extruded or expanded polystyrene, mineral wool panels, etc. to wood, steel or aluminium sheets, polyester, fiber-cement, plaster boards.

The cured film presents a very good behavior to heat as well as a good behavior to hydrolysis.

TECHNICAL DATA

Color	Green
Viscosity at 20°C	Brookfield RVT 3 / 10 rpm: 4,500 ± 1,500 mPa.s
Density at 20°C	1.125 ± 0.010
Open time at 20°C	4 min *
Pressing time at 20°C	20 min *
Pressing time at 40°C	7 min *
First setting time at 20°C	5 h *
Calorific value	Approx. 31 MJ/kg
Temperature resistance	-40 to +100°C
Cleaner	EMFINET 683 before setting (highly flammable)
Specific data	Maximum time between coating and putting under press at 20°C: 6 min *

* with misting of water on the adhesive layer

INSTRUCTIONS FOR USE

Substrates preparation:

The substrates to be bonded must be even, 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.

If necessary, rub down metal surfaces beforehand. Clean them after rubbing down. Allow to dry after degreasing.

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

Application:

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

ISOLEMFI 50135L MONO is to apply on one of the substrates to be bonded by extrusion or with a roller.

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) or acetone before the adhesive has completely cured.

After curing, abrasion is necessary.

CONSUMPTION

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

STORAGE AND SHELF LIFE

6 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.

PACKAGING

220 kg metal drums and 1,100 kg containers.

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.