



Product code : 50132A

ISOLEMFI 50132A MONO

DESCRIPTION

ISOLEMFI 50132A MONO is a fast one-component polyurethane-based moisture curing adhesive.

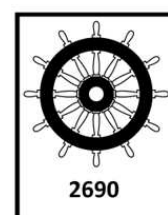
This product has a fire resistance certificate according to the European directive on marine equipment in force.

AREAS OF APPLICATIONS

ISOLEMFI 50132A MONO is mainly intended for the manufacturing of sandwich panels (caravans, motorhomes, technical floors, wall panels, building cladding panels).

ISOLEMFI 50132A MONO is used for the bonding of various insulating materials like polyurethane foam, extruded or expanded polystyrene, mineral wool, etc. on wood, steel or aluminium sheets, certain plastics, polyester, fiber-cement, plaster board.

ISOLEMFI 50132A MONO must not be used in toys and childcare articles which can be placed in the mouth by children.



TECHNICAL DATA

Color	Brown
Viscosity at 20°C	Brookfield RVT 3 / 10 rpm: 4,750 ± 1,750 mPa.s
Density at 20°C	1.125 ± 0.010
Open time at 20°C	Approx. 7 min *
Pressing time at 20°C	30 min *
Final setting time at 20°C	5 h *
Calorific value	31 MJ/kg
Temperature resistance	-40 to +100°C
Cleaner	EMFINET 683 before setting (highly flammable)
Specific data	Pressing time at 35°C (3 mm plywood on 7/10 mm aluminium and hammered aluminium): 10 min * Maximum time between coating and putting under press at 20°C: approx. 9 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, it is necessary to make tests beforehand.

ISOLEMFI 50132A MONO is to apply on one of the substrates to be bonded by spraying with a pneumatic gun, 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 below 25°C.

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

Keep out of reach of children.

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.

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