



Product code : 310000

## ISOLEMFI 3100 MONO

**Water resistant according to standard EN 204-D4**

### DESCRIPTION

One-part polyurethane-based moisture curing adhesive.

D4 water resistance classification according to European standards EN 204 and EN 205.

### AREAS OF APPLICATION

Bonding of outdoor joinery requiring very good resistance to humidity. Bonding of exotic and greasy woods. Miscellaneous bondings in boat fittings.

Bonding of wood, plaster, plasterboard, metal, bricks and concrete on themselves or with each other on the condition that at least one of these materials contains moisture.

Bonding of rigid insulating foams like extruded or expanded polystyrene, phenolic foam or of mineral wool panels on plaster boards with or without vapour shield, fibre cement, chipboard panels, steel sheets and wood.

### TECHNICAL DATA

Colour	Brown (translucent film)
Viscosity at 20 °C	Brookfield HBT spindle 3 / 50 rpm : 12,000 ± 4,000 mPa.s
Density at 20 °C	1.12 ± 0.02
Conventional solids content (EN 827)	> 99 %
Application temperature	15 to 25 °C
Open time at 20 °C	60 min at 20 °C and 50 % HR
Pressing time at 20 °C	10 ± 2 h
Final setting time at 20 °C	72 h
Cleaner	EMFINET 683 before setting
Specific data	Water resistance : excellent

### 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.

If the substrates need to be cleaned, EMFINET 683 or methylethylketone (MEK) may be used. Solvents must comply with local regulations. Check the compatibility of the solvent used with the substrates. If necessary, rub down metal surfaces beforehand.

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

#### Application :

The adhesive is applied on one of the substrates to be bonded with a brush or a serrated spreader.

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

In case of two non-porous materials, spray a light water mist (10 to 15 g/m<sup>2</sup>) onto the adhesive film.

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 is not excessive

Otherwise, defective bonding could happen.

Assembling has to be followed immediately by a uniform pressure applied across the entire surface. A strong pressure is not necessary but the materials must stay in full contact during setting time.

#### Cleaning :

Tools can be cleaned with EMFINET 683 or MEK before the adhesive has completely cured. After curing, abrasion is necessary.

#### CONSUMPTION

120 to 250 g/m<sup>2</sup> according to the materials to be bonded

#### STORAGE AND SHELF LIFE

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

#### PACKAGING

0.8 and 1 kg bottles ; 5, 6, 25 and 60 kg metal cans ; 220 kg metal drums

#### 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.

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