



Product code : 50108A

ISOLEMFI 50108A MONO

DESCRIPTION

Solvent-free one-part moisture-curing MDI-based polyurethane adhesive.

AREAS OF APPLICATION

ISOLEMFI 50108A MONO has a very good adhesion upon metals such as galvanized steel, aluminium, upon wood, concrete or plastics such as PVC, ABS, PMMA, polyester, etc. However, the variety of materials being very large, it is necessary to make tests before production. If necessary, refer to our technical service.

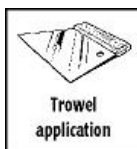
TECHNICAL DATA

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| Appearance | Off-white |
| Viscosity at 20 °C | Brookfield HBT / spindle 6 / 20 rpm: 140,000 ± 40,000 mPa.s |
| Density at 20 °C | 1.54 ± 0.03 |
| Conventional solids content (EN 827) | 100 % |
| Open time at 20 °C | 5 min* |
| Pressing time at 20 °C | 30 min* |
| Pressing time at 40 °C | 12 min* |
| Final setting time at 20 °C | 6 h* |
| Temperature resistance of the assemblies | -40 to +100 °C |
| Cleaner | EMFINET 683 before setting |
| Specific data | Open time at 20 °C and 50 % HR (without water mist spraying) : 15 min |

*in case of water mist spraying

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.

Clean them with EMFINET 683 or methylethylketone (MEK), or EMFINET 688/1 for substrates sensitive to ketones.

Solvents must comply with local regulations. Check the compatibility of the solvent used with the substrates.

If necessary, rub down metal surfaces beforehand. Clean them after rubbing down.

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 can be applied on one of the substrates to be bonded either on the whole surface with a spatula, or in beads or strips with a caulking gun.

If both substrates are non porous, it is imperative to spray a light water mist (10 to 15 g/100 g of adhesive) onto the adhesive film.

Assembling has to be followed by a uniform and maximum pressure applied across the entire surface without irreversible deformation of substrates.

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 and closed assembly time are not excessive

Otherwise, defective bonding could happen.

Cleaning :

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

CONSUMPTION

200 to 300 g/m²

STORAGE AND SHELF LIFE

6 months between 5 and 25 °C in closed original packaging.

Do not store below 5 °C.

PACKAGING

280 kg metal drums ; 310 ml PE cartridges.

SAFETY

Harmful. See 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.

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.