

TECHNICAL DATA SHEET

LAMOLTAN® - Rigid-Foam-System

FG 73-50/45-3
(113232)

General:

LAMOLTAN®-Rigid-Foam-System FG 73-50/45-3 is a water-blown two component system suitable for the production of closed-cell Polyurethane-Rigid-Foam. The component A contains flame retardants.

Field of applications:

LAMOLTAN®-Rigid-Foam-System FG 73-50/45-3 is used for PUR-in-situ foam insulation by the casting procedure. Suitable for industrial insulation: f. e. containers, tanks, behind foaming of pipe-lines with sheet cover.

To avoid a subsequent corrosion on metal surfaces, it is necessary to use – prior to foaming – a corrosion protection.

Processing advice:

Foam fabrication must not be executed at air temperatures below 10 °C and a relative humidity over 90 %. Fabrication in the open, furthermore, must not be executed while it rains.

Depending on the used processing installation higher temperatures of the components may be required. The optimum processing parameters are determined by testing's. If recommendations are necessary please contact our technical department.

Technical Data:

Mixing-ratio:	gravimetric volumetric	FG 73-50/45-3 100 : 113 100 : 100
Reaction times (hand mixed at +20 °C 100-g-dispersion at free foaming in test dish):	Cream time: Gel time: End of rise time:	approx. 30 ± 4 sec. approx. 100 ± 10 sec. approx. 135 ± 15 sec.
Apparent density (hand mixed at +20 °C 100-g-dispersion at free foaming in test dish):		approx. 53 ± 2 kg/m³
Apparent density (foamed on machinery, in a mould – contents approx. 8 l)		≥ 45 kg/m³
Viscosity at +20 °C:	Component A Component B	approx. 800 ± 150 mPas approx. 280 ± 70 mPas
Viscosity at +30 °C:	Component A Component B	approx. 350 ± 50 mPas approx. 200 ± 50 mPas
Density at + 20 °C:	Component A Component B	approx. 1,08 g/ml approx. 1,23 g/ml
Colour:	Component A Component B	yellowish, clear dark brown

LAMOLTAN®-Polyurethane- Rigid-Foam-System FG 73-50/45-3 (113232)

Storage:

Component A:

- a) Store frost proof.
- b) Sensitive to moisture; keep drums tightly closed to prevent air humidity.
- c) Maximum storage time in original drums: 3 months at +15 ° to +20 °C.
- d) Do not store above 30 °C.

Component B:

- a) Sensitive to frost, exposure to frost may cause partial crystallization
- b) Best storage temperature at + 15 °C and +20 °C
- c) Must be stored dry. Reacts with water and air humidity.
Keep container tightly closed after use.
- d) Flashpoint > 200 °C
- e) MAK-Value: 0,005 ppm

Transport classification:

Not dangerous cargo.

General characteristics of Component B:

Component B is a liquid, dark brown mixture of diphenylmethane-4,4'-diisocyanate (MDI) with isomers and homologues of higher functionality. It is used in conjunction with polyol (Component A) to produce rigid-polyurethane foams.

Precaution and protection measures during usage:

Observe the advice on "Precaution and protection measures during usage of LAMOLTAN-Polyurethane-Foams" as well as the Safety-Data-sheets for Component A and B.

Advice:

Our technical advice on usage, both verbal and written, is given to the best of our knowledge. However, the responsibility still rests with the buyer to carry out personal tests on the goods delivered to ensure their suitability for the envisaged use. The application, use and processing of our products is beyond our control and is the responsibility of the user. We reserve the right to change the formula of the product for the benefit of technical advancement, provided there are no changes to the above specifications. Our technical advisory service is available to answer any questions that should arise on the handling and usage of the above product. This advice cancels all previous notices on this product, should they have been different.

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