

## BAYMER<sup>®</sup> SPRAY F 158

(Trial product)

### General Properties and Applications

BAYMER<sup>®</sup> SPRAY F 158 is the polyol component that forms, together with the isocyanate DESMODUR<sup>®</sup> 44V20 L, a polyurethane system that is used to form a rigid foam of a free rise density of 33 kg/m<sup>3</sup> to be applied as a spray foam.

The main use of this foam is the thermal insulation of buildings.

BAYMER<sup>®</sup> SPRAY F 158 contains the new generation of blowing agents, Hydrofluorolefins (HFO's).

### Sampling

Avoid access of humidity.

### Provisional Specification

Property	Value	Unit of measurement	Method
Hydroxyl number	approx. 230	mg KOH/g	LPUR - 007
Viscosity at 25 °C	approx. 400	mPa·s	LPUR - 002
Water content	approx. 2,75	%	LPUR - 001

### Other Data\*

Property	Value	Unit of measurement	Method
Density 23°C	approx. 1,2	g/cm <sup>3</sup>	LPUR-050

\* These values provide general information and are not part of the product specification

### Packaging

Drums (240 kg, 50 kg)

### Storage

Keep the container tightly closed in a cool, well-ventilated place.

Store at 20°C and keep away from food and other feeding stuff

Under these conditions, the shelf life of the product is 3 months, if stored in sealed, moisture-tight containers.

### Labeling and REACH applications

This product data sheet is only valid in conjunction with the latest edition of the corresponding Safety Data Sheet. Any updating of safety-relevant information – in accordance with statutory requirements – will only be reflected in the Safety Data Sheet, copies of which will be revised and distributed. Information relating to the current classification and labeling, applications and processing methods and further data relevant to safety can be found in the currently valid Safety Data Sheet.

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### Directions for Processing

#### Recommended mixing ratio

BAYMER<sup>®</sup> SPRAY F 158

DESMODUR<sup>®</sup> 44V20L

#### (volume parts):

100

100

#### Manual foam test

Cream time:

Gel time:

Tack free time:

Free rise density:

#### (internal laboratory methods):

approx. 2 s

approx. 5 s

approx. 8 s

approx. 33 kg/m<sup>3</sup>

### Foam processing / Safety advice

BAYMER<sup>®</sup> SPRAY F 158 should be mixed with the component isocyanate, DESMODUR<sup>®</sup> 44V20L, using an appropriate machine in a mixing volumetric ratio 100:100. The foam density not only will depend on the existing conditions during the foaming but also on the spray method.

The ambient temperature and moisture as well as the temperature and nature of the sprayed surface have a significant influence according to the UNE-EN 14315-2:2013:

After applying the product it is important to pay attention to the machine cleaning in order to avoid a contamination in the next use of a different system with same machine.

The installer must inspect the work including checking the condition of the substrate, its consistency, presence of dust, water and grease that may interfere with the adhesion, presence of dilatation joints or vents, and in case of metal substrates, the existence of an adequate corrosion protection. The substrate must be clean and degreased. For substrate with adhesion problems, has to be applied a primer.

The substrate temperature should be  $\geq 5^{\circ}\text{C}$ . In case of porous substrates, the humidity of the substrate will be  $\leq 20\%$ , in case of non-porous substrates, the substrate should not present surface water condensation.

The mixing ratio machine would have to be checked the previous month and must not differ by more than 5% by weight from the reference.

The temperatures of the components of the machine and hoses should be about 30-50°C and pressures of 50-100 bar.

The application will take place in successive layers of maximum thickness of 20mm.

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This is a trial product. Further information, including amended or supplementary data on hazards associated with its use, may be compiled in the future. For this reason no assurances are given as to type conformity, processability, long-term performance characteristics or other production or application parameters. Therefore, the purchaser/user uses the product entirely at his own risk without having been given any warranty or guarantee and agrees that the supplier shall not be liable for any damage, of whatever nature, arising out of such use. Commercialisation and continued supply of this material are not assured. Its supply may be discontinued at any time.

This product is not designated as „Medical Grade“ (1) and therefore shall not be considered a candidate for the manufacture of a medical device or of intermediate products for medical devices, which are intended under normal use to be brought into direct contact with the patient's body (e.g., skin, body fluids or tissues, including indirect contact to blood)\*. [This product is also not designated for Food Contact (2), including drinking water, or cosmetic applications. If the intended use of the product is for the manufacture of a medical device or of intermediate products for medical devices, for Food Contact products or cosmetic applications PLIXXENT must be contacted in advance to provide its agreement to sell such product for such purpose.] Nonetheless, any determination as to whether a product is appropriate for use in a medical device or intermediate products for medical devices, for Food Contact products or cosmetic applications must be made solely by the purchaser of the product without relying upon any representations by PLIXXENT.

1) Please see the "Guidance on Use of PLIXXENT Products in a Medical Application" document.

2) As defined in Commission Regulation (EU) 1935/2004.

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