Baymer® Spray 205

General Properties and Applications	Baymer Spray 205 is the polyol component that forms, together with the isocyanate Desmodur 44 V20 L, a polyurethane system that is used to form a rigid foam of a free rise density of 40 kg/m³ to be applied as a spray foam. The main use of this foam is the thermal insulation of buildings.
Sampling	Avoid access of humidity

Other Data*

Property	Value	Unit of measurement	Method
Density at 23°C	approx. 1,2	g/cm³	LPUR - 050
Viscosity at 25 °C	approx. 300	mPa·s	LPUR - 002

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

Packaging	Drums (240 kg)
Storage	Recommended storage temperature: 15 - 25ºC. Storage stability: 3 months, providing that the product is stored moisture protected, in closed drums.
Labeling	This product data sheet is only valid in combination with the corresponding current safety data sheet! Any updating of safety relevant information – in accordance with EU directives – will only be reflected in the Safety Data Sheet, copies of which will be revised and distributed. For further technical information relating to safety, the Safety Data Sheet should be consulted.

Directions for Processing

Recommended mixing ratio	**(volume parts):**
BAYMER Spray 205	100
Desmodur 44V20 L	100

Manual foam test	**(internal laboratory methods):**
Start time:	2 ± 2 s
Gel time:	5 ± 2 s
Free rise density:	40 ± 2 kg/m³

Processing

Baymer Spray 205 should be mixed with the isocyanate component, Desmodur 44 V 20 L, with an appropriate machine in 1 to 1 volumetric ratio. The density of the obtained foam depends on the actual conditions during the application process and also on the spraying technique. The ambient temperature and moisture as well as the temperature and nature of the sprayed surface have a significant influence.

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Foam properties*

Compressive strength (UNE-EN 826):	≥ 200 kPa
Thermal conductivity (aged, UNE – EN 12667):	≤0,028 W / mK

These values are given only as a guide and must be verified in each individual case on finished parts manufactured under the processor's production conditions.

Fire classification (UNE-EN 13501-1): Euroclass E

The methods described in this publication for testing the fire performance of polyurethane and the results quoted do not permit direct conclusions to be drawn regarding every possible fire risk there may be under service conditions

Furthermore, this does not release the producer of the finished parts from his obligation to carry out suitable tests on his end product with respect to fire performance and/or fire risk in order to guarantee conformity with the required fire safety standard.

Closed cell content (DIN ISO 4590): > 95 %
This data have been measured with foam samples produced in the laboratories of BaySystems under controled conditions. They do not form part of the specification of the product.

* Foam obtained mixing Baymer Spray 205 with the isocyanate Desmodur 44V20L using an appropriate machine

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 damages, of whatever nature, arising out of such use. Commercialization and continued supply of this material are not assured. Its supply may be discontinued at any time.

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