

Baymer[®] SHPU-50-26

General Properties and Applications Baymer[®] SHPU-50-26 is a polyol formulation used to produce spray foam insulation for roofing, wall and basements with a density of 50kg/m³. It contains all the raw material and auxiliaries necessary for the production of rigid polyurethane foam including blowing agent 141b.

Sampling Moisture access should be prevented, formulation should be agitated before sampling.

Specification Property	Value	Unit of measurement	Method
Hydroxyl number (theoretical)	350 ± 20	mg KOH/g	
Water content	0.7 ± 0.1	% by wt.	

Other Data* Property	Value	Unit of measurement	Method
pH	approx. 7,8		
Density	approx. 1,1	g/ml	

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

Packaging 200l steel drums - IBC, tank truck and tank containers on request

Storage Shelf life from time of delivery: 3 months if stored in sealed moisture tight containers.

Recommended storage temperature: 20-30°C

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

Guide formulation	parts by weight
Baymer [®] SHPU-50-26	100
Desmodur [®] 44V20L	100

Baymer[®] Spray systems are designed for processing on high and low pressure machines that are able to work at mixing ratios of 1:1 by volume, the machine parameters have to be selected in such way to ensure proper mixing.

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Typical properties to be achieved under recommended application parameters

Properties	Norm	
Density	ASTM D1622	49-53 kg/m ³
Compressive strength	ASTM D1621	≥ 200 kPa
Water absorption		< 2%
Initial thermal conductivity	ASTM C518	< 0,0224 W/m*K
Corrected open cell content	EN4590	> 90%

Foaming data by the hand mixing method at raw material temperature of 22°C

Cream time	4 ± 1	Seconds
Tack Free Time	13 ± 1	Se
Free Rise Density	39 ± 1	kg/m ³
Applied density	approx. 50	kg/m ³

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.

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