

# COLMEFOAM HD

## Spray Polyurethane Foam For Roof Waterproofing

### Description

Colmefoam HD is a Rigid Polyurethane Foam. Suitable for the insulation of roofs, sheds, bays, farms, storage tanks and pipes through spraying process. The foam is flame retarded and classified B2 as per DIN 4102.

### Properties

Properties		Part A	Part B
Viscosity at 20 °C	mPa.s	300-400	180-270
Specific Gravity at		1.16	1.17
Storage Temperature	°C	10-25	10-25
Stability	Months	6	6

### Processing Conditions

Material Temperature	20-22	°C
Mixing Ratio A/B	100/100	p.b.v

### Lab Reactivity Profile at 10 °C

Cream Time	6-8	sec
Gel Time	15-18	sec
Rise Time	20-25	sec
Final Density	45-50	Kg/m <sup>3</sup>

### Packaging

Part A	Part B
210 Kg	250 Kg

The information in this Technical Data Sheet is based on Colmef Monneli's experience. Colmef Monneli does not accept any liability arising from the use of its products as it has no direct or continuous control over where or how its products are applied. All Colmef Monneli's Data Sheets are updated on regular basis. It is the user's responsibility to obtain the latest version.

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## Physical Properties:

### Compression Strength @ 10% Deformation

Parallel to foam rise	0.16-0.21	N/mm <sup>2</sup>	ASTM C 165
Perpendicular to foam rise	0.12-0.15	N/mm <sup>2</sup>	ASTM C 165

### Dimensional Stability (Volume change)

@ -20°C	< 1	% Volume	DIN 53431
@ +70°C	< 1	% Volume	DIN 53431

Closed Cell Content	>93	%	ASTM 2856
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Thermal Conductivity (Initial Lambda)	0.021	W/m <sup>°K</sup>	DIN 52616
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Fire Behavior	B5	Class	sDIN 4102
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