

<b>Pouring System</b> <b>9309</b>	<b>Isocyanate</b> <b>H</b>
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**DESCRIPTION**

**9309** is a Polyurethane Rigid Foam system, CFCs and HCFCs free (containing HFCs) and suitable for insulation by pouring.

**COMPONENTS**

- COMPONENT A: Polyol 9309**  
Mixture of polyols, containing catalysts, flame retardants and blowing agents.
- COMPONENT B: Isocyanate H**  
PMDI ( polymeric diphenyl methane diisocyanate ) .

**USES**

This system is highly suitable for the production of rigid foams with applied density of 40 – 46 Kg/m<sup>3</sup>, specially indicated for insulation and filling of all type of cavities as tanks, deposits, cool stores, metallic doors, etc.

**CONDITIONS OF USES**

This system can be processed on both high (100-150 bar) or low pressure equipment.

The recommended temperature of components is 20 - 22 °C.

The appropriate temperature of moulds is 40 – 50 °C in order to avoid a higher density and not to decrease the adhesion of the foam on the substrate.

The polyol is loaded into the drum of the low or high pressure machine and must be kept under a pressure – Nitrogen is recommended – of 0.5-1 and 2 **bar** respectively.

If it is not specifically indicated, the drums should not be stirred previously to the loading in order to avoid losses of the blowing agent.

**COMPONENTS CHARACTERISTICS**

Characteristics	Units	H	9309
Specific weight 25°C	g/cm <sup>3</sup>	1.23	1.12
Viscosity 25°C	mPa.s	230	600
NCO content	%	31	-

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**SYSTEM SPECIFICATIONS**

Measurement carried out in a test recipient at 22°C and at the mix ratio indicated within the company's standard method (MAN - S02).

Mix ratio      A / B :    100/145 ± 5    per weight .

Characteristics	Units	9309
Cream time	s	16 ± 2
Gel time	s	140 ± 10
Track free time	s	245 ± 15
Free density	g / l	31 ± 2

**FOAM SPECIFICATIONS**

Characteristics	Units	9309
Applied density	UNE EN 1602	Kg/m <sup>3</sup> 40 – 45
Compressive strength, 10% deformation	UNE EN 826	KPa        200 - 300
Dimensional stability (24hours)	-30°C +80°C	% Vol.    <0.5 <1
Fire reaction	UNE 23727	Class        M-4
Closed cells %	ISO 4590	%            >90
Initial thermal conductivity coefficient 20°C,	UNE-EN 12667	W/m°C      0.023

**STORAGE RECOMEMNDATIONS**

Components A and B are sensitive to moisture, and should be stored in sealed drums or tanks. Storage temperature must be kept between +15 and +25 °C.

Avoid lower temperatures that may build up crystallizations in the isocyanate, as well as higher temperatures that may alter the polyol and produce swelling of the drum.

Properly stored, the shelf life is 6 months for the Component A (polyol) and 9 months for the Component B (isocyanate).

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**SAFETY RECOMMENDATIONS**

Appropriately handled, the system does not present significant risks. Avoid contact with eyes and skin. The instruction given in the Safety Data Sheet must be followed during manufacturing and handling of the system.

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**SUPPLY**

Normally, the product is supplied in non-returnable steel drums of 220 litres (blue for the Component A and black for the Component B).