

Pouring System 9154-X	Isocyanate H
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DESCRIPTION

9154 X is a Polyurethane Rigid Foam system, CFCs and HCFCs free (containing HFCs) and suitable for insulation by pouring

COMPONENTS

- COMPONENT A:** **Polyol 9154-X**
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 – 50 Kg/m³, specially indicated for insulation and filling of all type of cavities as tanks, deposits, cool stores, panels, 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	9154-X
Specific weight 25°C	g/cm ³	1.23	1.12
Viscosity 25° C	mPa.s	230	500
NCO content	%	31	-

Pouring System
9154-X**Isocyanate**
H**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 / 105 ± 5 in weight.
100 / 100 per volume

Characteristics	Units	9154-X
Cream time	s	45 ± 5
Gel time	s	200 ± 20
Track free time	s	280 ± 20
Free density	g / l	40 - 44

FOAM SPECIFICATIONS

Characteristics		Units	9154-X
Applied density	UNE EN 1602	Kg/m ³	42 – 46
Compressive strength, 10% deformation	UNE EN 826	KPa	200 - 250
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).

Pouring System

9154-X

Isocyanate

H

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.

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).