

Pouring System
9758-X**Isocianato**
H25C**DESCRIPTION**

9758-X is a Polyurethane Rigid Foam system, HFCs free (containing HFOs) and suitable for insulation by pouring.

COMPONENTS

COMPONENT A: **Poliol 9758-X**
Mixture of polyols, containing catalysts, flame retardants and blowing agents.

COMPONENT B: **Isocianato H25C**
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, ship tanks, 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 – 45 °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.

If the storage is in tank it might take care to keep it closed or slightly pressurized with dry air (0.3 bar).

COMPONENTS CHARACTERISTICS

Characteristics	Units	H25C	9758-X
Specific weight 20°C	g/cm ³	1,23	1,20
Viscosity	cPs	150 – 250 (25°C)	400 – 800 (22°C)
NCO content	%	30 - 32	-

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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 / 100 in weight.

Characteristics	Units	9758-X
Cream time	s	20 ± 2
Gel time	s	100 ± 10
Track free time	s	175 ± 15
Free density	g / l	34 - 36

FOAM SPECIFICATIONS

Characteristics		Units	9758-X
Applied density	EN 1602	Kg/m ³	42
Compressive strength 10% deformation	EN 826	KPa	>160
Dimensional stability 24 hours	-20°C +80°C	% Vol.	<0,5 <2
Dimensional stability DS (-20,-) 48 h, -20 °C	EN 1604	%Vol / DS(TH)	<1,0 / DS(TH) 4
Dimensional stability DS (70,90) 48 h, 70 °C, 90 % R.H.	EN 1604	%Vol / DS(TH)	<1,0 / DS(TH) 4
Closed cell content	ISO 4590	%	>90
Initial thermal conductivity, 10°C	EN 12667	W/m° K	0,020
Water absorption (W _p)	EN 1609	Kg/m ²	≤0,2
Reaction to fire	EN 13501-1	Euroclass	E

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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 3 months for the Component A (polyol) and 9 months for the Component B (isocyanate).

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).