

POURING SYSTEM **9308-MF** / H25C

DIVISION: PU SYSTEMS

INTRODUCTION

9308-MF is a Polyurethane Rigid Foam system, CFCs and HCFC free suitable for insulation by pouring. It is a water base system using CO₂ as blowing agent.

DESCRIPTION OF COMPONENTS

COMPONENT A : Mixture of polyols, containing catalysts, flame retardants and stabilizers.

COMPONENT B : PMDI (polymeric diphenyl methane diisocyanate) .

DENOMINATION OF COMPONENTS

COMPONENT A : **POLYOL 9308-MF**

COMPONENT B: **ISOCYANATE H25C**

APPLICATIONS

This system is highly suitable for the production of rigid foams with applied density of 60 – 70 Kg/m³, specially indicated for insulation and filling of all type of cavities, inserts and rigid foam cores.

Pouring system 9308-MF / H25C**APPLICATION CONDITIONS**

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.

The drums should be stirred previously to the loading in order to avoid chemical separation.

PHYSICAL PROPERTIES OF COMPONENTS

CHARACTERISTICS	UNIT	H25C	9308-MF
Specific gravity, 25°C	g/cm ³	1.23	1.11
Viscosity, 25°C	mPa.s	230	1.000
Flash point temperature	°C	>200	>170
Free NCO content	%	31	-

TECHNICAL SPECIFICATIONS OF SYSTEMS

Test beaker measurements at 22°C at the indicated mixing ratio and according to our Standard Test (MAN-S02).

MIXTURE RATIO A / B: 100/150 ± 10 per weight

SPECIFICACIÓN	UNIT	9308-MF
Cream time	s	30 ± 5
Gel time	s	140 ± 10
Tack free time	s	240 ± 20
Free rise density	g/l	45 ± 3

Pouring system 9308-MF / H25C**FOAM PROPERTIES**

PRODUCT		UNIT	9308-MF
Applied density	UNE EN 1602	Kg/m ³	60-70
Compressive strength, 10% deformation	UNE EN 826	KPa	230 – 330
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 92202		W/m°C	0.025

STORAGE RECOMMENDATIONS

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).

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 OF THE PRODUCT

Normally, the product is supplied in non-returnable steel drums of 230 litres (blue for the Component A and black for the Component B).