

Pouring System 7136, 7136 INC.

Isocianato H

DESCRIPTION

Pouring System 7136, 7136 INC. is a Polyurethane Rigid Foam system, CFCs and HCFCs free (containing HFCs) and suitable for insulation by pouring.



COMPONENTS

- COMPONENT A:** **Polyol 7136, Polyol 7136 INC.**
Mixture of polyols, containing catalysts, flame retardants and blowing agents
- COMPONENT B:** **Isocianato H**
MDI (diphenyl methane diisocyanate)

USES

This system is highly indicated for restoration of buildings, insulation and filling of all type of cavities as tanks, containers, panels, cold rooms, etc, with a moulded density of 30 to 40 Kg/m³.

CONDITIONS OF USES

This system can be processed on both high (100-150 bar) or low pressure equipment although the system is specially designed for spray machines.

The recommended temperature of components is 15 - 25 °C.

In case of spray machines, it is necessary to configure the pre-heaters (isocyanate / polyol) and hoses between 35°C and 45 °C depending on the application conditions such as ambient temperature.

The optimum application pressure ranges from 100 to 120 bars.

It is recommended to make a preliminary test on a small plastic bag to confirm the quality of the mixture and the reaction times.

It is recommended to check that the cavities to fill are free from elements like rests of construction in order to avoid the abnormal densifications and intern overpresures which could provoke structural damages.

COMPONENTS CHARACTERISTICS

Characteristics	Units	H	7136 / 7136 INC.
Specific weight 20°C	g/cm ³	1,23	1,1
Viscosity	cPs	150 - 250 (25°C)	150 - 300 (22°C)
NCO content	%	30 - 32	-

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Isocianato
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 / 115 per weight

Characteristics	Units	7136 / 7136 INC.
Cream time	s	9 ± 2
Gel time	s	80 ± 5
Track free time	s	110 ± 10
Free density	g / l	30,5 ± 1,5

FOAM SPECIFICATIONS

Características		Unidades	7136 / 7136 INC.
Applied density	EN 1602	kg/m ³	30-40
Closed cells %	ISO-4590	%	≥90
Thermal resistance and thermal conductivity	EN 12667 EN 12939		See performance chart
Reaction to fire	EN 13501-1	Euroclass	F ⁽¹⁾
Water absorption (W _p)	EN 1609	Kg/m ²	≤0,25
Water vapour resistance factor (μ)	EN 12086	-	≥60

⁽¹⁾ Result of valid test for any applied thickness (60 mm of thickness)

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Performance chart

Sprayed insulation foam product CCC4 system. Diffusion open faces.

e_p	25	30	35	40	45	50	55	60	65
λ_D	0,028	0,028	0,028	0,028	0,028	0,028	0,028	0,028	0,028
R _D	0,90	1,05	1,25	1,40	1,60	1,75	1,95	2,10	2,30
e_p	70	75	80	85	90	95	100	105	110
λ_D	0,028	0,028	0,027	0,027	0,027	0,027	0,027	0,027	0,027
R _D	2,5	2,65	2,95	3,15	3,35	3,55	3,70	3,90	4,10
e_p	115	120	125						
λ_D	0,027	0,026	0,026						
R _D	4,30	4,65	4,85						

e_p Thickness; mm

λ_D Declared aged thermal conductivity; (W/mK)

R_D Thermal resistance level; (m²K/W)

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 +5 and +35 °C.

Avoid lower temperatures that may build up crystallizations in the isocyanate, as well as higher temperatures that may alter the polyol.

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

Normally, the product is supplied in non-returnable steel drums of 50 and 225 kg (blue for the Component A and black for the Component B).