

## 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/m<sup>3</sup>.

### 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 overpressures which could provoke structural damages.

Se recomienda revisar que las oquedades a rellenar están libres de elementos tales como restos de obra para evitar densificaciones anormales y sobrepresiones internas que podrían causar daños estructurales.

### COMPONENTS CHARACTERISTICS

Characteristics	Units	H25C	7136 / 7136 INC.
Specific weight 25°C	g/cm <sup>3</sup>	1,23	1,1
Viscosity	cPs	230 (25°C)	225 (22°C)
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 / 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 <sup>3</sup>	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 <sup>(1)</sup>
Water absorption (W <sub>p</sub> )	EN 1609	Kg/m <sup>2</sup>	≤0,25
Water vapour resistance factor (μ)	EN 12086	-	≥60

<sup>(1)</sup> 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.

<b>e<sub>p</sub></b>	<b>25</b>	<b>30</b>	<b>35</b>	<b>40</b>	<b>45</b>	<b>50</b>	<b>55</b>	<b>60</b>	<b>65</b>
λ <sub>D</sub>	0,028	0,028	0,028	0,028	0,028	0,028	0,028	0,028	0,028
R <sub>D</sub>	0,90	1,05	1,25	1,40	1,60	1,75	1,95	2,10	2,30
<b>e<sub>p</sub></b>	<b>70</b>	<b>75</b>	<b>80</b>	<b>85</b>	<b>90</b>	<b>95</b>	<b>100</b>	<b>105</b>	<b>110</b>
λ <sub>D</sub>	0,028	0,028	0,027	0,027	0,027	0,027	0,027	0,027	0,027
R <sub>D</sub>	2,5	2,65	2,95	3,15	3,35	3,55	3,70	3,90	4,10
<b>e<sub>p</sub></b>	<b>115</b>	<b>120</b>	<b>125</b>						
λ <sub>D</sub>	0,027	0,026	0,026						
R <sub>D</sub>	4,30	4,65	4,85						

e<sub>p</sub> Thickness; mm

λ<sub>D</sub> Declared aged thermal conductivity; (W/mK)

R<sub>D</sub> Thermal resistance level; (m<sup>2</sup>K/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 220 litres (blue for the Component A and black for the Component B).