MAXCIS SF-235

Closed Cell, 35 kg/m^3 Free Density, Spray Polyurethane Foam

DEFINITION:

- It is a two component, rigid polyurethane foam system used for heat insulation.
- It contains HFC as a blowing agent.

USAGE AREAS:

- Foundation
- Floor
- Wall
- Ceiling
- Attic
- Chicken farms and barns
- Storage tanks
- Cold storage rooms
- Thermal pipes

COMPONENTS:

- A Component: Polymeric MDI - MAXCIS ISO-30
- B Component: Polyol Blend - MAXCIS SF-235

FEATURES OF COMPONENTS:

Test Name	Unit	A Component - MAXCIS ISO-30	B Component - MAXCIS SF-235
Chemical Structure	-	Polymeric MDI	Polyol Blend
Density (20°C)	g/cm^3	1,23	1,15
Viscosity (25°C)	mPa.s	250	420

MIXING RATIO OF COMPONENTS:

	By Weight	By Volume
A Component - MAXCIS ISO-30	107 unit	100 unit
B Component - MAXCIS SF-235	100 unit	100 unit

REACTION PARAMETERS:

Test Name	Unit	Value
Cream Time	sec.	3-4
Gel Time	sec.	6-8
Tack Free Time	sec.	10-12
Free Density	kg/m^3	35-36

The tests were carried out under laboratory conditions at 15°C.

APPLICATION:

- The application surface must be clean and dry. There should be no rust, dust, oil and water.
- Recommended air and surface temperature is between 5°C and 35°C.
- Relative humidity should be lower than 85% during application.
- Application should not be made in windy weather.
- In order for the machine to mix at the correct ratio (100/100 by volume), the gun and machine must be cleaned and maintained before application.
- Machine and hose temperature is adjusted between 35°C and 50°C depending on the surface and air temperature.
- Machine pressure is adjusted between 80-120 bar.
- Application is made perpendicular to the surface and in layers. The first layer is applied thinly to ensure that the surface reaches the appropriate temperature. In order not to affect the dimensional stability of the foam, layer thickness should not be more than 3 cm.
- If necessary, a primer can be used to increase adhesion strength.

FINISHED PRODUCT FEATURES:

Test Name	Unit	Standard	Value
Finished Product Core Density	kg/m^3	-	>50
Closed Cell Content	%	EN 4590	90
Fire Reaction		EN 13501	E
		DIN 4102	B2
Water Absorption	kg/m^2	EN 1609	0,20
Thermal Conductivity Coefficient	W/m.K	EN 12667	0,021
Thermal Conductivity Coefficient after Aging	W/m.K	EN 14315	0,028
Compressive Strength	kPa	EN 826	330

CONSUMPTION:

- Consumption for 3 cm application thickness is 1.80-2.20 kg/m^2.

PACKAGING:

- Component A 250 kg/barrel, Component B 220 kg/barrel. Total 470 kg/set

SHELF LIFE AND STORAGE:

MAXCIS ISO-30 and MAXCIS SF-235 are sensitive to humidity and temperature. Therefore, they should be stored in original, unopened and undamaged packages, in dry environments away from direct sunlight.

	Unit	A Component - MAXCIS ISO-30	B Component - MAXCIS SF-235
Shelf Life	month	12	6
Storage Temperature	°C	15-25	15-25

WARNING:

- Before using the product, read the MSDS form carefully and follow the written instructions.
- Personal protective equipment should be used during application.
- There must be sufficient air circulation in the application area.
- Give empty barrels to organizations authorized to collect hazardous waste.