

# MAXCIS SF-210

## Open Cell, 8-10 kg/m<sup>3</sup> Free Density, Spray Polyurethane Foam

### DEFINITION:

- It is a two component, semi-flexible polyurethane foam system used for heat and sound insulation.
- It contains only water as a blowing agent.

### USAGE AREAS:

- Wall
- Ceiling
- Attic

### COMPONENTS:

- A Component: Polymeric MDI - MAXCIS ISO-30
- B Component: Polyol Blend - MAXCIS SF-210



### FEATURES OF COMPONENTS:

Test Name	Unit	A Component - MAXCIS ISO-30	B Component - MAXCIS SF-210
Chemical Structure	-	Polymeric MDI	Polyol Blend
Density (20°C)	g/cm <sup>3</sup>	1,23	1,09
Viscosity (25°C)	mPa.s	250	400

### MIXING RATIO OF COMPONENTS:

	By Weight	By Volume
A Component - MAXCIS ISO-30	112 unit	100 unit
B Component - MAXCIS SF-210	100 unit	100 unit

### REACTION PARAMETERS:

Test Name	Unit	Value
Cream Time	sec.	3-4
Gel Time	sec.	6-8
Tack Free Time	sec.	11-15
Free Density	kg/m <sup>3</sup>	8-10

The tests were carried out at the component temperature of 55°C and under laboratory conditions.

### 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 50°C and 65°C depending on the surface and air temperature.
- Machine pressure is adjusted between 80-120 bar.
- Before application, Component B - MAXCIS SF-210 should be mixed with a low speed mixer for 5 minutes.
- Application is made perpendicular to the surface and usually in a single layer. Average application thickness is 10-20 cm.

#### FINISHED PRODUCT FEATURES:

Test Name	Unit	Standard	Value
Finished Product Core Density	kg/m <sup>3</sup>		10-12
Open Cell Content	%	EN 4590	80-90
Fire Reaction		EN 13501	E
		DIN 4102	B2
Water Absorption	kg/m <sup>2</sup>	EN 1609	0,26
Thermal Conductivity Coefficient	W/m.K	EN 12667	0,038

#### CONSUMPTION:

- Consumption for 10 cm application thickness is 1.00-1.20 kg/m<sup>2</sup>.

#### 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-210 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-210
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.