

Plasthane SF30 HFR

Rigid Cellular Polyurethane Spray Foam

Plasthane SF30 HFR is a highly Fire retardant low density rigid spray foam. It will produce GROUP – 2 classification under specifications A-2-4 of the building code of Australia.

It contains chlorinated aliphatic phosphorate fire retardant with very low odour catalyst combination, non-hydrolysable cell stabiliser and environmentally friendly blowing agent which has low ODP and GWP.

It is not water blown system and it does not contain dichlorofluroethane blowing agent.

It is formulated to be used in commercial/ industrial wall and ceiling insulation stud work/ flame construction.

It is to be spray applied according to the building code of Australia regulation.

LABORATORY REACTIVITY PROFILE

100gms of Polyol + 110 gms of Iso mixed at 20deg. Stirrer Speed 2400RPM

Mix Time - Seconds	3
Cream Time - Seconds	4-5
Gel Time - Seconds	7-8
Tack Free time - Seconds	9-10
Free Rise Core Density Km3	28-30

Processing Conditions

- Plasthane SF 30 HFR is designed to be processes using 1:1 dispensing equipment such as GRACO REACTOR or similar
- Plasthane SF30 HFR Polyol and Iso components should be conditioned @20-25deg C prior to use.
- Plasthane SF30 HFR Polyol should be mixed well before use.
- The substrate temperature should be +20deg C
- Spray Machine Settings
Dynamic Pressure (Actual Spraying Pressure) >1300 psi
- Polyol Part A and Iso Part B hose and block temp should be 50 – 55deg C
- Mix ratio by volume of Part A and Part B should be 1:1.

LIQUID PROPERTIES OF PLASTHANE SF30 HFR @25Deg C

		ISO
Tests	Plasthane SF30 Polyol	Plasthane SF30 Iso
Appearance	Clear Amber Liquid	Dark Brown Liquid
Brookfield Viscosity 3/30 RPM CPS	300 - 400	190 - 250
Specific Gravity gms/ml	1.14	1.24

LIMITATIONS OF PLASTHANE SF30 HFR

- For all external and internal applications the foam must be protected from weathering and physical deterioration with suitable water resistance material such as polyester or acrylic coating or equivalent.
- When spraying or painting excessive thickness should not be applied because it will produce a lot of heat and can cause split and fire.
- Use foam where the surface contact temperature is not more than 70deg C or not less than -5deg C

HEALTH AND SAFETY ISSUES

Before using Polyurethane Spray Foam please read the Materials Safety and Data Sheet for both components.

Please always wear proper protective clothing, goggles gloves and breathing equipment according to Materials Safety Data Sheet.

EXCLUSION OF WARRANTIES

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