



TECHNICAL INFORMATION

SS 40 – SPRAY

Introduction

SS 40 – CFC free is a two component polyurethane system developed for the manufacture of rigid polyurethane foam. It has been designed for spray on roof applications that serves as an excellent insulation material. It is a CFC free system and thus complies with the environment friendly regulations act having the same properties of that of CFC based foams.

Applications:

SS 40 – CFC free is mainly used for spray applications. The grade is suitable to be processed with low and high pressure dispensing machines.

Component A is a polymeric Diphenyl Methane Diisocyanate and has following properties:

Appearance	: Clear Dark Brown Liquid
Viscosity @ 20 ^o C	: 220± 20 cps
Specific Gravity @ 20 ^o C	: 1.25±0.001
Free Isocyanate Content %	: 31±0.5

Component B – is a blend of different polyols, additives and blowing agents. The blowing agent used is HCFC 141B that leads to the formation of polyurethane foam. The typical Properties of Component B are:

Appearance	: Clear Pale Yellow Liquid
Viscosity @ 20 ^o C	: 400± 20 cps
Specific Gravity @ 20 ^o C	: 1.20±0.001

The reaction profile of SS 40 CFC free is typically as follows:

For a laboratory cup test, when both components maintained at 20 ^o C	
And mix ratio being	
Component A	: 100 pbw
Component B	: 100 pbw
Then reactivity is as follows:	
Cream Time	: 5-6 seconds
Rise time	: 15-17 seconds
Tack Free Time	: 15-17 seconds
Free Rise Core Density	: 28-30 Kg/m ³

