



PRODUCT DATA SHEET

GLOBAL FLEXITHANE 303

Flexible Polyurethane Spray Foam

GLOBAL FLEXITHANE 303 is a water blown two pack Flexible Polyurethane Spray Foam System with a nominal free rise density of 150 to 200Kg/m³. Designed with outstanding strength coupled with supreme flexibility this unique system is ideally suited to adapt and flex with the substrate in situations where movement is an issue. Global Flexithane 303 is CFC free and environmentally friendly.

Physical Characteristics

LABORATORY REACTIVITY PROFILE:

Laboratory QA Foam Cup Test at 20°C based on 100gm Polyol and 110gm ISO

Mix Time	3 seconds
Cream Time	4 - 5 seconds
Gel Time	8 - 9 seconds
Tack Free Time	10 - 13 seconds
Free Rise Core Density	150 - 175 KG/M ³

[Note: In field spray applications external conditions and other influencing factors can get up to 3 to 5 times density]

<u>Part A - ISO</u>		<u>Part B - POLYOL</u>	
Appearance	Amber liquid	Appearance	Grey liquid
Density @ 25°C	1.2 0KG/LT	Density @ 25°C	1.06 KG/LT
Viscosity @ 25°C	900-1000 cPs	Viscosity @ 25°C	100-300 cPs

Technical Features

- CFC Free
- 100% solids system
- Environmentally Friendly
- Flexes and moves with the substrate.
- Outstanding strength with supreme flexibility

Application Information

Surface Preparation	Surface must be clean, stable and free of excessive oil and grease. Loose particles should be removed and repair carried out if required.
Application Process	Global Flexithane 303 is designed to be processed through a 1:1 by volume plural component PU machine such as Graco® E-XP2 or E-20 Proportioner Unit

Application Information - continued

The method described below helps to counteract substrate temperatures below 15°C and down to 10°C and is an industry employed practice; It is typical for spray foam systems applied to cold substrates, and in particular, thicker cold substrates, to have challenges with adhesion and foam formation. The reaction of spray foam is an exothermic one (builds heat) the thicker cold surface acts as a heat sink, hence taking the heat out of the foam reaction.

- Ensure the surface temperature is 3°C above the dewpoint.
- An initial layer of Flexithane 303 is to be applied and allowed to cure. This initial layer is to be left until it has hardened and tacked off and is well adhered.
- Cold substrates will dramatically affect the level of rise, density and hardness of this style. Application of this initial layer helps to give an insulation barrier against the heat sink of the concrete or metal substrate.
- Careful application of the second layer can proceed once the initial layer is cured and adhered.
- Care must be taken with film builds of the second layer, or subsequent layers;
- Excessive thicknesses can lead to de-bond of the layers from the substrate
- Inadequate cure times can also lead to de-bond.
- Heat should be allowed to dissipate in between layers

Note: In order to judge whether or not the initial layers have cured and is adhered well enough to continue application of subsequent layers an experienced applicator is required.

Equipment Cleanup:

Wash all equipment lines and components with moisture free appropriate thinners

Safety Precautions:

This product is isocyanate catalysed. Before using this Polyurethane System please refer to the Material Safety Data Sheets for both the components for information on the correct handling procedures for these products and the safety issues and Hazards associated with their use.

Pack Sizes:

420Kg kits of Part A and Part B

Contact Point

For further information and technical assistance please contact:

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