DURAFLEX F46

DURAFLEX F46 is a plural component aromatic polyurea offering high performances such as fast cure application and crack-bridging properties. It can be used in constant water immersion or buried underground. DURAFLEX F46 is 100% solid and does not contain VOC, which is a balanced solution to today's environmental and performance challenges in waterproofing applications. A variety of colors are available upon request.

Ideal for:

- Roofing
- Secondary containment
- Truck bed liner
- Concrete waterproofing

Optimal substrats:

- Concrete
- Steel
- Polyurethane spray foam
- Expanded polystyrene

LED BY COMMITMENT

PREMIUM PRODUCT

Genyk uses the highest-grade raw materials and state-of-the-art manufacturing facilities. The result is a robust product with industry leading properties.

SUPERIOR VERSATILITY

Duraflex F46 is formulated to offer optimal performances in many applications. Wether it's for commercial use or water management, Duraflex F46 will meet your needs.

LOCALLY REPRESENTED

Genyk is a Canadian manufacturer. Each region has local representation to offer the most knowledgeable service.

PHYSICAL PROPERTIES		
PROPERTIES	TEST METHOD	RESULTS
Shore Hardness	ASTM D2240	43-48D
Tensile Strenght	ASTM D412-C	2 800 – 3 300 PSI (19.3 – 22.8 MPa)
Ultimate Elongation	ASTM D412-C	500 – 600%
Tear Strenght	ASTM D624-C	380 – 430 PLI (67 – 75 kN/m)
Abrasion	ASTM D4060 1000 cycles, 1000g, CS-17	8.3mg
	ASTM D4060 1000 cycles, 1000g, H-18	191.8mg

REACTIVITY PROFILE	
Gel Time	3 – 8 sec
Tack free time	10 – 15 sec
Recoating time	Maximum 4 hours

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COMPONENT PROPERTIES		
Properties	**ISO - Flexible**	**F46 Resin**
Appearence	Yellow liquid	Amber Liquid (can be tinted)
Viscosity @ 25ºC	500 – 900 cps	600 – 1200 cps
Specific Gravity @ 25ºC	1.10 – 1.15	1.00 – 1.06
Shelf Life	12 months	12 months
Mixing Ratio (volume)	100	100

PROCESSING INFORMATION	
Minimum spray pressure	2 000 PSI (13 790kPa)
Temperature ISO (A)	135 – 160ºF (57 – 71 ºC)
Temperature RESIN (B)	135 – 160ºF (57 – 71 ºC)
Temperature hose	135 – 160ºF (57 – 71 ºC)
Minimum recommended dry film thickness	30 mils (0.75mm)
Typical dry film thickness	40 – 100 mils (1.0-2.5 mm)
Theoretical coverage	1600 square feet per gallon at 1 mils (149 m^2 per 3.78 liter at 25 microns)

Please refer to the Duraflex processing and handling guide for the application guidelines.

Genyk DURAFLEX ISO - FLEXIBLE is supplied in 220 kg drums and 1 100 kg totes. DURAFLEX F46 resin is supplied in 200 kg drums and 1 000kg totes.

Before handling these chemicals, please consult the Safety Data Sheet for the two components, that are available from Genyk.

STORAGE CONDITIONS AND HANDLING

All materials should be stored in their original containers and away from heat and moisture, especially after the seals have been broken and the containers have been opened. Shelf life is 12 months for the resin and 12 months for the isocyanate when stored indoors at a temperature between 60ºF (15ºC) and 100ºF (38ºC). Storage below 50ºF (10ºC) may result in compound stratification of the B and/or crystalline formation in the A component. Temperatures above the maximum storage temperatures may decrease the shelf life. Temperatures below 60ºF (10ºC) will increased the viscosity of the components making them difficult to pump. Both components are adversely affected by water and humidity.