

# DURAFLEX<sup>®</sup> F48

DURAFLEX F48 is a plural spray, pure aromatic polyurea, that features high flexibility and strength. It is especially developed with fire retardant package to stop the fire spreading. It can be used in constant water immersion service or buried underground. DURAFLEX F48 is comprised of 100% solids. The product is VOC-free. The perfect solution for today's environmental and production challenges in waterproofing applications. A variety of colours 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 F48 is formulated to offer optimal performances in many applications. Whether it's for commercial use or water management, Duraflex F48 will meet your needs.



### DEDICATED SUPPORT

Genyk is proud to proclaim – We offer on-demand technical resources to our customers and offer the best experience.

PHYSICAL PROPERTIES		
PROPERTIES	TEST METHOD	RESULTS
Shore Hardness	ASTM D2240	45-50D
Tensile Strenght	ASTM D412-C	3 000 – 3 500 PSI (20.7 – 24.1 MPa)
Ultimate Elongation	ASTM D412-C	480 – 580%
Tear Strenght	ASTM D624-C	370 – 420 PLI (64,8 – 73,5 kN/m)
Abrasion	ASTM D4060 1000 cycles, 1000g, CS-17	6,9 mg
	ASTM D4060 1000 cycles, 1000g, H-18	209.1mg
Water Vapour Transmission (1.47mm)	ASTM E96-A	7.31 g/m2*24h
Permeance (perms)	ASTM E96-A	0.062 perm*inch
Flammability	CAN/ULC S668	Pass

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

COMPONENT PROPERTIES		
Properties	FLEXIBLE ISO (Part A)	F48 Resin (Part B)
Appearance	Yellow liquid	Amber Liquid (can be tinted)
Viscosity @ 25°C	500 – 900 cps	300 – 700 cps
Specific Gravity @ 25°C	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 – 160°F (57 – 71 °C)
Temperature RESIN (B)	135 – 160°F (57 – 71 °C)
Temperature hose	135 – 160°F (57 – 71 °C)
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 <sup>2</sup> per 3.78 liter at 25 microns)

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



Genyk DURAFLEX FLEXIBLE ISO is supplied in 220 kg drums and 1 100 kg totes. DURAFLEX F48 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 60°F (15°C) and 100°F (38°C). Storage below 50°F (10°C) 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 60°F (10°C) will increase the viscosity of the components making them difficult to pump. Both components are adversely affected by water and humidity.

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