DURAFLEX. F42

DURAFLEX F42 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 for application such as concrete foundation waterproofing.

DURAFLEX F42 is comprised of 100% solids. The product is VOC-free. The perfect solution for today's ecological and production challenges in waterproofing applications. The slower gel time make it ideal for roofing and secondary containment application. Black, gray and light gray are standard colour, but a variety of colors are available upon request

Ideal for:
- Roofing
- Secondary containment
- Truck bed liner
- Foundation waterproofing

Optimal substrats:
- Concrete
- Steel
- Polyurethane spray foam
- Expanded polystyrene

PHYSICAL PROPERTIES			
PROPERTIES	**TESTING METHOD**	**RESULTS**	
Shore Hardness	ASTM D2240	90 – 95A	
Tensile Strenght	ASTM D412-C	1 700 – 2 200 PSI	11.7 – 15.2 Mpa
Ultimate Elongation	ASTM D412-C	200 – 290%	
Tear Strenght	ASTM D624-C	170 – 222 PLI	30 – 39 kN/m
Abrasion	ASTM D4060 1000 cycles, 1000g, CS-17	N.A. mg	

Tested at 2,250 PSI/150°F (15,513kPa/65°C). Properties vary depending on application settings.

REACTIVITY PROFILE	
Gel Time	8 – 12 sec
Tack free time	20 – 30 sec
Recoating time	Maximum 4 hours

COMPONENT PROPERTIES		
PROPERTIES	**ISO - Flexible**	**RESIN - F42**
Appearence	Yellow liquid	Amber Liquid (can be tinted)
Viscosity @ 25ºC	500 – 900 cps	900 – 1250 cps
Specific Gravity @ 25ºC	1.10 – 1.15	1.03 – 1.07
Mixing Ratio (volume)	100	100

PROCESSING INFORMATION		
Recommended spray pressure	2 000 – 2 500 PSI	13 790 – 17 236 kPa
Minimum spray pressure	1800 PSI	12 410 kPa
Temperature ISO (A) & RESIN (B)	135°F – 160°F	57°C – 71°C
Temperature hose	135°F – 160°F	57°C – 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 m2 per 3.78 liter at 25 microns

The physical properties decrease when applied at lower pressure than 2000 PSI. Please refer to the Duraflex processing and handling guide for more specific recommendations.

Genyk uses the highest-grade raw materials and state-of-the-art manufacturing facilities. The result is a durable and superior product.

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

STORAGE CONDITIONS AND HANDLING				
Additionnal information	**ISO - Flexible**		**RESIN – F42**	
Packaging	Drum: 220kg / Tote: 1,100kg		Drum: 200kg / Totes: 1,000kg	
Storage temperature	59ºF - 100ºF	15°C – 38°C	59ºF - 100ºF	15°C – 38°C
Shelf Life	12 months		12 months	

Additional Information: All materials should be stored in their original containers and away from heat and moisture, especially after breaking the seal and opening the containers. Storage below the recommended temperatures may result in resin separation and/or crystalline formation for the isocyanate and increase the viscosity of the components, making them difficult to pump. Higher storage temperatures can decrease the shelf life. Both components are negatively affected by water and humidity.