

Pro-Seal Flex System II RG®

NSF 61 Approved Membrane



Product Description:

Flex System II RG® is a single component NSF 61 approved monolithic membrane system for potable water tanks and reservoirs. **Polycarbon/polycarbonate integrated technology.*

Features:

- Single component
- May be applied in vertical and horizontal applications.
- NSF 61 approved for potable water
- Multiple coats may be applied with no peeling
- Easily spot repairable
- Flexible
- Perfect for buried reservoirs

Applications:

Flex System II RG® is meant for potable water tanks and reservoirs. Flex System II RG® is also specified for some Wastewater Containment.

Technical

Information	Value
Material	1 Part
Appearance	Liquid
Flash Point	120°F
Cure Time To Recoat	12-24 Hours
Full Cure	96 Hours
Spread Rate	30 mils 50 ft ² /gallon
Solids	79% X weight -72%volume
Shelf Life	6 months (stored properly at 77°F)
Dry Film	4-60 Mils Max Per Coat 90 Mils Max Membrane
Stain Resistance	Very Good
Pot Life	1-2 Days Dry
Packaging:	5 or 55 gallons

Application Temperature

Application temperature	Substrate must be above 32°F/0°C
Damp environment	May be used in a damp environment if used with DP-36.

Application Instructions (guidelines):

Surface must be dry, clean, and free of all loose particulate and bond-breaking matter. Under damp condition may be used in conjunction with Pro-Seal DP-36®. For specific application instructions or guide specifications, contact us at 800.349.7325 or information@prosealproducts.com

Specifications

ASTM/est	Data	Value
D 471	Water Absorption	< 1% weight gain
E 96-66	Moisture Permeance 20 Groups Tested	> .0035 <1.1 perms
D 903	Adhesion to concrete 4 groups tested	60 ± 10 pli.
D 2240	Hardness	55 Shore A
D 624	Tear strength 10 groups tested	125 ± 30 pli.
D 412	Tensile strength 10 groups tested	650 ± 70 psi
D 412	Elongation 10 groups tested	350 ± 55 %
D 412	Recovery	98 ± 3%
D 2369	Solids content	82 ± 4% weight 74 ± 4% volume
Brookfield Viscometer	Viscosity @ 77°F	65 ± poise
D 154	Decay resistance	No surface defects
D 751	Hydrostatic pressure resistance	104 psi .72 n/m

* Data based on laboratory tested materials.

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Chemical Resistance

Cured Material	Rating
Alkalis Spillage	Good
Alkalis Splash	Good
Solvents Fumes	Poor
Solvents Spillage	Fair
Solvents Splash	Fair
Salt Fumes	Good
Salt Spillage 72 Hours Clean-Up	Good
Water Spillage	Excellent
Water Splash	Excellent
Water constant immersion 48 hours max	Excellent



Interior and Exterior Buried Applications



Inverted Below Grade System Specification

ASTM/est	Data	Value
E-154-88	Resistance to decay	.002 weight change .004 moisture permeation
D 1709	Puncture resistance	8800g (19.4 lbs.)
D 56	Flash point	>200°F
D 412-98	Tensile strength	±650 psi
C 1135	Elongation %	± 400%
D 751	Hydrostatic resistance	350 lbs. ± 10/in ²
D 412-99	Adhesion to concrete	19 psi (no peel/film break)
D 836-89	Crack bridging flexibility	No cracks
E 96-80	Moisture permeability	<.0035

Cautions:

Keep out of reach of children. May cause skin or eye irritation. This product may be harmful if swallowed. Do not induce vomiting. Use in well ventilated areas. Contact a physician immediately and always seek a physician's advice regarding first aid. Use only in commercial or industrial applications. Use only on intended surfaces. Contact manufacturer for specific application uses. See material safety data sheet for additional cautions.

Limited Warranty:

We warrant our product to be free of defects in material and workmanship; and to be in accordance with our company quality control standards. All data, statements, and recommendations made herein are based upon information we believe to be reliable, but are made without any representation, guarantee, or warranty of accuracy. Our products are sold on the condition that the user himself will evaluate them, as well as our recommendations, to determine their suitability for the user's own purpose before adoption. Also, statements regarding the use of our products or processes are not to be construed as recommendations for their use in violation of any patent rights or in violation of any applicable laws or regulations. Liability under any condition shall be limited to replacement of material only.

Technical Support:

Contact our technical department at 800.349.7325, information@prosealproducts.com or visit our website www.prosealproducts.com for additional information.

