



PERFORMANCE CRITERIA	Page: 1 of 1
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RD-ELASTOFLEX	Date: 09/15/2022
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	W19

CHEMICAL RESISTANCE

METHOD: ASTM D1308 - Solution put next to chemical, below chemical.

CHEMICAL: 5% Sodium Hydroxide (NaOH)

RESULT: 1 Hour of Contact Time: Trace softening and color changes recovered after 1 hour.
24 Hours of Contact Time: Trace softening recovered after 5 hours.
Trace of color changes recovered after 1 hour.

CHEMICAL: 5% Hydrochloric Acid (HCl) solution

RESULT: 1 Hour of Contact Time: Trace softening recovered after 1 hour.
24 Hours of Contact Time: Trace softening recovered after 5 hours.

CO2 DIFFUSION – RESISTANCE TO CARBONIZATION

METHOD: DIN EN 1062-6 - Determination of carbon dioxide permeability of coating materials and coating systems for exterior masonry and concrete.

RESULT: μ (coefficient of diffusion) – 750,000
R (equivalent air thickness) – 308 FT (94M)
Thickness of coatings – 125um (5MILS)

CRACK BRIDGING

METHOD: ASTM-D1305 – After 10 Cycles at 9.4°C / 15°F

RESULT:	<u>Reinforced</u>	<u>Non-Reinforced</u>
	Cracking – None	Cracking – None
	Loss of Adhesion - None	Loss of Adhesion - None

TENSILE STRENGTH & ELONGATION

METHOD: ASTM D412 – Tensile Strength Properties of Rubber and Elastomers

RESULT:	<u>Peak Tensile Strength</u>	<u>Elongation at Break</u>
	Reinforced – 1,030psi	Reinforced – 150%
	Non-Reinforced – 210psi	Non-Reinforced – 580%

FUNGAL RESISTANCE

METHOD: ASTM D 3273/3274

RESULT: 8 ASTM Rating – Very Slight Fungal Growth

WATER VAPOR TRANSMISSION

METHOD: ASTM-D1653 – Water transmission of organic coating films. Test method B, wet cup method, condition A.

RESULT: Water Vapor Transmission Rate (WVT): 9.8 grains/ft²/hr.; 164.6 grains/m²/24hrs
Water Vapor Permanence (WVP): 25.7 perms or 16.9 metric perms