

1. PRODUCT NAME

GMX Elastomeric R-12

2. MANUFACTURER

GMX, Inc.
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3. PRODUCT DESCRIPTION

GMX Elastomeric R-12 is a low modulus, low odor, low VOC, fast, water-curable, high-performance interior or exterior elastic waterproofing membrane adhesive and coating for waterproofing under polyurethane coating and concealed waterproofing applications under concrete and metal. GMX Elastomeric R-12 provides a totally monolithic long lasting, weather tight seal to a variety of common building substrates. Available in dark gray.

4. FEATURES

- Economical
- Excellent Weathering
- Bonds to Damp Masonry
- Labor Saving
- Primerless on Most Substrates
- Meets the Criteria of ASTM C-836 & E-96
- Non-Gassing
- User Friendly
- Fast Curing
- Resists Dirt
- Applied at Any Required Thickness
- Highly Flexible Over Extreme Temperatures
- Low Odor
- No Mixing
- Meets SCAQMD VOC Requirements

5. TYPICAL USES

- Concealed Waterproofing
- Under Polyurethane Coating
- Under Concrete
- Planter Box Waterproofing
- Plywood Waterproofing
- Parapet Walls
- Coating BUR
- Single-ply Coating

- Green Roof Waterproofing
- SBS Mod Bit Roofing
- PVC
- Expansion Joints
- Block and Masonry
- Pot Hole Filling
- Spalled Concrete
- Leveling Uneven Surfaces
- Sloping Under Tile
- Waterproofing Over Smooth Surfaces and Tile

6. INSTALLATION

Surface Preparation:

All surfaces should be clean and dry with no contaminants that might interfere with the adhesion of the GMX Elastomeric R-12 to the substrate, and a long lasting weatherproof seal.

GMX Elastomeric R-12 is a one-component, ready-to-use material, or water curable when mixed with 4-5 ounces of water per/gal. It is recommended that a quality notched, trowel, or squeegee be used to ensure ease of application and proper mil thickness. Apply when temperatures are above 40°F. When all the proper surface preparation is complete, Apply GMX Elastomeric R-12 adhesive or coating by gridding the application according to the predetermined mil thickness. Do not use GMX Elastomeric R-12 in temperatures below 30°F. GMX Elastomeric R-12 can be used in vertical or overhead working conditions. The GMX Elastomeric R-12 may be water cured for, heavy application above 20 mils, or fast curing or applications where weather conditions may change rapidly and fast curing is necessary.

GMX Elastomeric R-12 may be used as an adhesive for pedestrian areas under pre-coated polyurethane coating materials on vertical and horizontal surfaces. Joints, cracks and rough surface textures and ponds may be filled with the GMX Elastomeric R-12 adhesive prior to application of the polyurethane coating.

GMX Elastomeric R-12 recommended coverage rates are not less than 30 mils for an adhesive membrane and 60 mils in planter box and below grade waterproofing applications. Coating can be applied up to 2500 mils.

Metal:

Prepare all metal in a manner to ensure maximum adhesion. Remove all rust, scale and residue by xylene or acetone wipe. Remove films, coatings and oils with an appropriate solvent such as alcohol.

*It is recommended that Kynar-coated substrates be tested for adhesion prior to starting the project. Please contact GMX for specific application guidelines and recommendations.

Concrete:

New concrete and masonry substrates shall be cured 14 days prior to the application of the sealant or coating. Remove any contamination by mechanical abrasion, sand blasting or power washing. Where a polyurethane coating is being applied over the GMX Elastomeric R-12, concrete surfaces may be coated as early as 3 days with consent from GMX.

Wood:

Wood shall be clean, sound and dry prior to sealant application. Treated wood shall be allowed to weather for 6 months. Coatings and paint shall be removed (or tested for compatibility) to ensure a proper bond.

7. CURING

GMX Elastomeric R-12 when mixed with water cures to a firm dense skin in approximately 2 hours at room temperature and 50% RH. Faster cure may occur in high humidity combined with higher temperatures. Likewise, slower cure may occur in lower humidity and lower temperatures. The GMX Elastomeric R-12 coating and sealant when used without water, is slower cure from one to two days.

8. EQUIPMENT CLEANUP

GMX Elastomeric R-12 typically skins over within 15-45 minutes and cures through in 2-6 hours, depending upon temperature, humidity and thickness. Lower temperatures and humidity prolong cure time. Higher temperatures accelerate cure time. Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

9. SHELF LIFE /STORAGE

1 Year of date of manufacture when stored in normal environments. Store in original unopened containers in a cool, dry area. Protect unopened containers from heat and direct sunlight. Elevated temperatures will reduce shelf life.

10. PACKAGING

- 28 oz (828 ml)
- 12/carton; 40/pallet
- 2 gallon (7.5 l) pail
- 5 gallon (18.9 l) pail

11. LIMITATIONS

GMX Elastomeric R-12 should not be used in direct contact with single component moisture cure urethane coatings without use of an epoxy primer or a sand broadcast over the wet sealant. Sealant shall be cured for 3-5 days prior to any direct coating. Avoid prolonged contact with skin. Uncured adhesive irritates eyes. In case of contact with eyes, immediately flush with water. Call a physician. Keep out of reach of children.

12. WARRANTY

For specific warranty terms and conditions, contact GMX.

13. TECHNICAL SERVICES

Your local GMX representative is available to assist you in selecting the appropriate product and to provide on site application assistance. For further information, please contact our Technical Service at 866-228-7743.

TECHNICAL DATA	
<u>PROPERTY</u>	<u>RESULT</u>
Hardness Shore A, ASTM C-661	30 ± 5 Shore A
Tear Resistance, Die C, ASTM D-1002	150 ± 10 psi 21 ± 3.5 kNm
Elongation at Break, ASTM D-412	300-400% ± 50 psi
Ultimate Elongation, ASTM D-412	400 ± 50%
Specific Gravity	1.60 (13.11 lbs./gal.) depending on color
Total Solids by Weight, ASTM D-236	100%
Total Solids by Volume, ASTM D-2697	100%
Viscosity, at 80°F (27°C)	40,00 cps
Brookfield RVFTF spindle 4 RPM, 73°F	
Service Temperature	-25°F to 200°F -31.7°C to 93.3°C
<i>Meets the Criteria of ASTM C-836</i>	
<u>TEST</u>	<u>CLASS/TYPE</u>
ASTM C-920	Type S, Grade S, Class 25, use T and M
Federal Specification	TT-S-00230-C Type I, Class A
Corps of Engineers	CRD-C-541, Type I, Class A
Canadian Standards Board	CAN 19, 13-M82

