



GMX HOT-APPLIED WATERPROOFING

1. PRODUCT NAME

GMX Hot-Applied Waterproofing

2. MANUFACTURER

GMX, Inc.
3800 E. 91st Street
Cleveland, OH 44105
Phone: 866-228-7743
Fax: 216-430-3500

3. PRODUCT DESCRIPTION

GMX Hot-Applied Waterproofing is a premium grade waterproofing adhesive with superior adhesion characteristics, excellent low temperature flexibility and an unusually high softening point and penetration index. When used in conjunction with Ultra-Shield Hot-Applied Polyester, it forms a waterproofing system with superior tensile strength and elongation properties.

GMX Hot-Applied Waterproofing

- Exhibits superior flexibility in low temperature applications
- Will not run or sag in warm weather applications
- Has superior waterproofing characteristics
- Exhibits excellent elongation and recovery properties
- Results in a superior, predictable application

GMX Hot-Applied Waterproofing has performance characteristics greatly superior to conventional mopping asphalt. It can be applied over a wide range of temperatures. The addition of rubber elastomers enables the membrane to adapt to the stress levels inherent in concrete slabs while continuing to provide excellent waterproofing, puncture and abrasion resistance.

Standard mopping asphalt begins to harden and degrade as soon as it is applied. GMX Hot-Applied Waterproofing stays flexible indefinitely in a protected membrane environment. The addition of SEBS rubber to the asphalt

increases the tensile strength and elongation properties of the waterproofing membrane.

GMX Hot-Applied Waterproofing is designed for use as the waterproofing layer and bonding adhesive for the GMX Hot-Applied Waterproofing system. This is an ideal waterproofing system for horizontal waterproofing applications.

GMX Hot-Applied Waterproofing can be used on a stand alone basis or with polyester fabric reinforcement to produce a waterproofing system with exceptional tear, tensile and puncture resistance. Typical applications include waterproofing of basement slabs, plaza decks, parking decks, mechanical equipment rooms, below grade walls, planters and other sub-grade construction.

LIMITATIONS: Use extreme caution in heating and handling hot waterproofing materials. Only experienced personnel should handle hot waterproofing materials. Do not overheat, dilute or cut back GMX Hot-Applied Waterproofing. Recommended kettle temperature is 475°F (245°C). Recommended application temperature range is 400 – 475°F (204–246°C).

CAUTION: Do not exceed 500°F (260°C) in the kettle during application. The use of insulated buckets and hoses is recommended during cold weather application. Application at temperatures below 20°F (7°C) is not recommended.

STORAGE AND HANDLING

CONSIDERATIONS:

Store materials in a dry area and protect from direct sunlight. Ideally, the materials should be stored inside in a temperature controlled environment (at temperatures between 60–80°F). Any materials exposed to the elements should be elevated above the ground and covered by a tarpaulin. Materials should not be exposed to excessive heat or direct flame.

4. INSTALLATION

SURFACE PREPARATION:

The substrate must be structurally sound. Surfaces to be waterproofed should be swept, dry, reasonably smooth and free of dust, dirt, voids, cracks, sharp projections, oil and grease. Cracks in excess of 1/16 inch or wider should be reinforced with polyester fabric during the application of the primary waterproofing system.

The application surface should be primed with Ultra-Shield Quick Drying Primer or equivalent at a rate of one gallon per 100 sq.ft. Reinforce inside and outside corners, cracks and construction joints with a minimum 6 inch wide piece of polyester fabric embedded in the waterproofing membrane. Flash large cracks, expansion joints and similar details as per the recommendations outlined in the current edition of the N.R.C.A. Roofing and Waterproofing Manual.

Apply GMX Hot-Applied Waterproofing as a continuous coating or as the adhesive and top layer of a membrane system incorporating Ultra-Shield Hot Applied Polyester as the reinforcement layer.

Cover the membrane with protection course. Install the wearing surface or backfill within 24 to 72 hours after the completion of the waterproofing membrane. If the surfaces are exposed to the sun or if the waterproofing is applied during extremely hot weather, install the protection course and backfill within 24 hours.

COVERAGE RATE:

System Application: Base and Surface coating: 30 – 35 lbs. per 100 sq.ft. (60-70 lbs. per 100 sq.ft. total).

Membrane Only Application: 60 lbs. per 100 sq.ft.

PACKAGING: 60 lb. kegs.

5. AVAILABILITY AND COST

GMX materials are produced in and shipped from our plant in Cleveland, OH. For the name and number of the nearest GMX representative, call us at 866-228-7743. Our representatives can provide pricing and put you in contact with our nearest stocking distributor.

6. WARRANTY

For specific warranty terms and conditions, contact your local GMX representative or the Cleveland office.

7. TECHNICAL SERVICES

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

TECHNICAL DATA

PROPERTY	RESULT
Flash Point (ASTM D-92)	min 525°F (274°C)
Softening Point (ASTM D-36)	203 - 221°F (95 - 105°C)
Penetration at 77° F (25°C)	50-70 units
Ductility at 77°F (25°C)	50 cm min
Elongation (ASTM D-412)	1100%
Elastic Recovery (ASTM D-412)	80% min
Solubility (ASTM D-2042)	99% min
Flexibility 1" Mandrel 0°F (-18°C)	Pass
Density (ASTM D-113)	8.3 lb/gal (1.0 g/cm ³)
Maximum Safe Heating Temp	500°F (260°C)
Recommended Application Temp	400 - 475°F (204 - 246°C)

