**SECTION 07 13 26**

**TegoBloc SA**

**Self-Adhered Waterproofing Membrane**

# PART 1 GENERAL

* 1. SECTION INCLUDES
		1. Self-adhering sheet waterproofing membranes.

# RELATED SECTIONS

* + 1. Section 03300 - Cast-In-Place Concrete.
		2. Section 04800 - Masonry Assemblies.

# REFERENCES

* + 1. ASTM International:
			1. ASTM D 412 - Standard Test Methods for Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers-Tension.
			2. ASTM D 779 - Standard Test Method for Water Resistance of Paper, Paperboard, and Other Sheet Materials by the Dry Indicator Method.
			3. ASTM D 882 - Standard Test Method for Tensile Properties of Thin Plastic Sheeting.
			4. ASTM D 1970 - Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection.
			5. ASTM E 96 - Standard Test Methods for Water Vapor Transmission of Materials.

# SUBMITTALS

* + 1. Submit under provisions of Section 01300.
		2. Product Data: Manufacturer's data sheets on each product to be used, including:
			1. Preparation instructions and recommendations.
			2. Storage and handling requirements and recommendations.
			3. Installation methods.

* + 1. Shop Drawings: Submit shop drawings including details of construction and relationship with adjacent construction.
		2. Manufacturer's Certification: Submit manufacturer's certification that materials comply with specified requirements and are suitable for intended application.
		3. Warranty: Submit manufacturer's standard warranty.
		4. Verification Samples: For each finish product specified, two samples, minimum size 3 inches (75 mm) x 4 inches (100 mm), representing actual product, color, and patterns.

# QUALITY ASSURANCE

* + 1. Installer Qualifications: Experienced in installation of specified material type with working knowledge of specified products and Project specific application requirements.

# DELIVERY, STORAGE, AND HANDLING

* + 1. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
		2. Storage:
			1. Store materials in clean, dry, heated area indoors in accordance with manufacturer's instructions.
			2. Store cartons on end and protect from moisture and damage.
			3. Protect from temperatures above 100 degrees F (38 degrees C).
			4. Do not remove rolls from cartons until application.

# PROJECT CONDITIONS

* + 1. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

# WARRANTY

* + 1. Limited Warranty:
			1. Manufacturer warrants materials to be free from leaks caused by defects in material or manufacturing for a period of 10 years from the date of purchase when applied according to published directions.

# PART 2 PRODUCTS

* 1. MANUFACTURERS
		1. Acceptable Manufacturer: GMX, Inc., 3014 Chamber Dr., Monroe, NC 28110, USA. Phone (866) 228-7743, Fax (704) 334-4202, Website: [WWW.GMXCO.COM](http://www.gmxco.com/)
		2. Requests for substitutions will be considered in accordance with provisions of Section 01600.

# WATERPROOFING MEMBRANE

* + 1. TegoBloc SA is a prefabricated, self-adhering sheet-type waterproofing membrane. It is composed of a tough, multi-layer, cross-laminated film that is coated with a rubberized asphalt adhesive. It is a high performance, multi-purpose waterproofing membrane intended for use in below-grade applications, and under siding, exterior plaster, as a through-wall flashing or anywhere it will be protected from ultraviolet exposure.
		2. TegoBloc SA adheres aggressively to most clean, dry substrates including metal, wood, vinyl, masonry, ICF foundations, Gold Bond® e2XP™ and rigid insulation boards.
		3. TegoBloc SA may be used to waterproof foundations and other below-grade structures, plaza decks, balconies, under siding, and exterior plaster. Other uses include wall, floor and planter waterproofing, under stucco and at head, sill chimney shoulders, pot shelves, parapets and pony walls.
		4. TegoBloc SA seals SIPS building panels and around doors, windows and other potential leak areas. Waterproofs and protects ICF foundations from damage. This advanced system bonds to the substrate and self-seals around nails, staples and other fasteners to prevent damage caused by water penetration.
		5. Product: TegoBloc SA as manufactured by GMX, Inc.
			1. Description: Prefabricated, 60-mil (1.5 mm) self-adhering sheet-type waterproofing membrane.
			2. Composition: Multi-layer high-strength polymer film that is coated with a layer of specially formulated rubberized asphalt adhesive.
			3. Sealing: Mastic selvedge on both edges for sealing.
			4. Release Liners: Protect asphalt, removed as membrane is installed.
			5. Technical Properties:
				1. Complies with AAMA 711-13, Level 2.
				2. Material Thickness (ASTM D 1970): 60 Mils (1.5 mm) Nominal.
				3. Pliability (ICC-ES AC 38): Pass.
				4. Vapor Permeance (ASTM E 96): 0.02 g/m2 Maximum.
				5. Water Resistance (ASTM D 779): Greater than 30 hours
				6. Nail Sealability (ASTM D 1970): Pass.
				7. Tensile Film (ASTM D 882): 7,000 psi
				8. Tensile Membrane (ASTM D 412): 580 psi
				9. Elongation (ASTM D 412): 450%
				10. Installation Temperature Range: Greater than 50 degrees F (10 degrees C).
				11. Material Color: Black.

# ACCESSORIES

* + 1. Primers:
			1. Ultra-Guard Primer is a solvent based, non-fibered, quick drying, asphalt-based primer manufactured by GMX, Inc.
			2. Ultra-Guard NS Primer is a non-solvent, polymer emulsion-based primer designed to improve the adhesion of self-adhered membranes. NS Primer is applied to cinder block, concrete, OSB, plywood, DensGlass Gold®, Securock, DensDeck® Prime and prepared metal surfaces.
		2. Detail Sealant:
			1. Ultra-Guard EFS is a high-performance detail and joint sealant for a wide range of construction applications. Ultra-Guard EFS delivers tough, elastic sealing performance, for applications requiring compression and extension greater than 35%.
		3. Drainage:
			1. Drain-Max 200/220, 500/520 composite mats designed for high compression and high-volume drainage, when used in a vertical application. Choose based on specific project requirements.
			2. Drain-Max 680 for a horizontal Plaza Deck,
			3. Drain-Max 380 for a Paver Deck,
			4. Drain-Max 650 inside a Planter,
			5. Drain Max 50 & Drain-Max 100 Green Roof.
		4. Termination Bar
			1. By Others

# PART 3 EXECUTION

* 1. EXAMINATION AND PREPARATION
		1. Inspect and prepare substrates using the methods recommended by the manufacturer for achieving best result for the substrates under project conditions.
		2. Clean surfaces thoroughly prior to installation. Do not proceed with installation until substrates have been prepared using the methods recommended by the manufacturer and deviations from manufacturer’s recommended tolerances are corrected. Commencement of installation constitutes acceptance of conditions.
		3. If preparation is the responsibility of another installer, notify Architect in writing of deviations from manufacturer’s recommended installation tolerances and conditions.
		4. TegoBloc SA adheres to most clean, dry substrates including metal, wood, rigid vinyl, masonry, poured concrete, concrete block, wallboard/mortarboard, foam insulation board and other common building materials such as house wrap. Concrete, OSB, masonry, Densdeck® and Fiberock® must be dry, fully cured and primed with an asphalt-based primer before applying.
		5. A primer helps to remove any surface dust or loose material that would inhibit good adhesion. Clean, dry wood and metal surfaces do not require priming. Prime weathered surfaces as needed.
		6. It is the contractor’s responsibility to ensure adequate adhesion. When applying on vertical concrete surfaces, a termination bar is recommended around the top.

# INSTALLATION

 Install in accordance with manufacturer's instructions including the following:

* + - 1. Apply in clear, dry weather.
			2. Surface must be clean, dry, continuous and free from oil.
			3. Masonry must be clean, fully cured and primed with an asphalt primer, or a smooth parge coat of grout that forms a flat surface.
			4. Prime weathered surfaces as necessary - clean, dry, wood and metal surfaces do not require priming.
			5. Use 3 inches (76 mm) side laps and 6 inches (152 mm) head laps.
			6. Apply uniform pressure with a 2 to 3 inches (51 to 76 mm) hand roller to entire surface.
			7. Do not install over solvent-based sealants unless the sealants are fully cured - active solvents may liquefy adhesive surface.
			8. Test for compatibility with caulks and sealants.
			9. Do not install over flexible vinyl gaskets.
			10. Horizontal installations require two courses of membrane installed perpendicular to each other.
			11. Do not expose installed product to direct sunlight for more than 90 days.

# PROTECTION

* + 1. Protect installed products until completion of project.
		2. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION 07 13 26