

PRODUCT DESCRIPTION

Ultra-Guard® HA-551 is a hot-applied, seamless waterproofing membrane. This 100% solids rubberized, asphalt-based formula is fluid applied to form a continuous, fully adhered waterproofing system, over a variety of substrates.

Apply this flexible, high-build material to surfaces that require a layer of waterproofing before adding a covering such as tile, concrete, asphalt, pavers, or vegetative roof system.

- Flexible waterproofing membrane
- Retains its elongation and elastomeric properties
- Bridges shrinkage cracks
- 100% solids
- Cures quickly
- Low-odor product, minimizing concerns in VOC-sensitive areas
- Fluid-applied to form a continuously adhered waterproofing system
- Meets CGSB-37.50-M89
- Resistance to Acid: 50% sulfuric, no blistering, deterioration, delamination or re-emulsification
- Resistance to Salt Water: 20% (NaCo & NaCl), no blistering, deterioration, delamination or re-emulsification
- Resistance to Fertilizer: 15/5/5 Fertilizer, no blistering, deterioration, delamination or re-emulsification
- Water Resistance: No delamination, blistering, re-emulsification or deterioration

Storage and Handling Considerations:

Store in original, undamaged packaging in a clean, dry, protected location with temperatures between 55° to 85°F (12° to 30°C). Keep away from open flames, hot surfaces and sources of ignition. Keep out of the reach of children. Do not stack pallets or remove protective covering. Pallets may be stored outdoors if the protective covering is left intact.

INSTALLATION

Surface Preparation & Priming:

The surface should be uniform and absent of any voids larger than 1/8" (0.32 cm). Some substrates may require shot blasting, sandblasting, or other appropriate cleaning prior to Ultra-Guard® HA-551 application. Surfaces to be coated should be free of paint, oil, rust and contaminants. Prime surface with Ultra-Guard® Primer (meeting ASTM D-41). Spray or roll primer uniformly to the prepared surface at a rate of 125-175 sq/ft per gal. Allow all metal surfaces that Ultra-Guard® HA-551 will be in contact with, such as: HVAC units, vents, flashings, etc., to dry completely before applying Ultra-Guard® HA- 551.

Prepare all cracks and joints and install vertical flashings before installing the Ultra-Guard® HA-551 waterproofing membrane. See Ultra-Guard® HA-551 Application Guide for detailed information on proper preparation of cracks, control joints, vertical flashings and vertical penetrations.

Melting:

Ultra-Guard® HA-551 must be melted in a double boiler- type melting unit equipped with agitation and recirculation systems

capable of safely heating Ultra-Guard® HA-551 to 400°F (204.4°C). The temperature of the heat transfer oil should not exceed 525°F (273.9°C).

Caution:

Do not agitate when adding new blocks of material. Most oil jacketed melters have a thermostat switch that can be set to shut off the heating unit once the desired temperature is met.

Application:

Apply Ultra-Guard® HA 551 at 380° to 400°F (193.3° - 204.4° C) to the prepared surface by pouring or pumping from the melter at a minimum of 115 mils (0.115") thick. Distribute the material evenly on deck surfaces using a flat blade squeegee, approximately 18"-wide and 3/16 - 1/16" thick (45 cm wide and 0.48 – 0.16 cm thick). For vertical application, a roof mop may be more beneficial. If bubbles or other outgassing appear, apply additional material.

After base layer is applied, immediately roll in Ultra-Guard® HA-Scrim, Ultra-Guard® Reinforcement Fabric into the hot Ultra-Guard® HA-551. When reinforcement is embedded, apply top layer of Ultra-Guard® HA-551 at a minimum of 100 mils (0.10") thick. The total membrane thickness should be at least 215 mils (0.215") but may be higher. The Ultra-Guard® HA-551 system should be covered as soon as possible with either: Ultra-Guard® GB or Ultra-Guard® GB-FR, rigid insulation, polyethylene sheeting, protection boards, roll roofing, pavers, or asphalt-saturated sheets. These products protect the Ultra-Guard® HA-551 membrane from punctures, abrasions, and UV exposure.

See Application Guide for general application guidelines, and project specifications for specific application instructions. Contact GMX's Technical Department with questions.

Clean Up:

Clean equipment lines using mineral spirits or non-flammable equivalent. All heat sources must be extinguished before clean-out begins. Remove all solvent from the melting tank prior to the next use of the kettle as sealant dilution and flash problems may occur.

AVAILABILITY AND COST

GMX materials are produced in and shipped from our Monroe, NC plant. For the name and number of the nearest GMX representative and/or pricing, call us at 866-228-7743.

WARRANTY

GMX warrants its material to be from defects at the time of installation and offer several commercial warranties, provided our materials are applied in accordance with the published specifications in effect at the time of installation. For specific warranty terms and conditions, contact your local GMX representative.

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.

ULTRA-GUARD® HA-551

7 FLUID APPLIED | Membrane Waterproofing



TECHNICAL DATA | PRODUCT SPECIFICATIONS: Type: Ultra-Guard® HA-551

Test Name	Reference	Requirement	Test Results
Flash point (C°)	ASTM D92	≥260°C (500°F)	338°C (640°F)
Cone Penetration (dmm) @ 25 ± 2°C	ASTM D5329	≤110	40
Cone Penetration (dmm) @ 50 ± 2°C	ASTM D5329	≤200	99
Flow (mm)@140°F	ASTM D5329	≤3	0
Viscosity (s)	CAN/CGSB 37.50-M89	2 ≤ x ≤ 15	4
Toughness (J)	CAN/CGSB 37.50-M89	≥ 5.5	29
Toughness to Peak Load	CAN/CGSB 37.50-M89	≥ 0.040	0.097
Toughness Adhesion Rating	CAN/CGSB 37.50-M89	Pass	Pass
Water Vapor Permeance (ng/Pa-s-m²)	ASTM E96 E	≤1.7	0.6
Water Absorption (g)	CAN/CGSB 37.50-M89	-0.18 ≤ x ≤ 0.35	0.06
Pinholing (# of observed holes)	CAN/CGSB 37.50-M89	≤1	0
Low Temperature Flex	CAN/CGSB 37.50-M89	Pass	Pass
Crack Bridging Capability	CAN/CGSB 37.50-M89	Pass	Pass
Heat Stability	CAN/CGSB 37.50-M89	Pass	Pass
Cone Penetration (dmm) After Heat Ageing @ 25 ± 2°C	ASTM D5329	≤110	39
Cone Penetration (dmm) After Heat Ageing @ 50 ± 2°C	ASTM D5329	≤200	97
Flow (mm) After Heat Ageing	ASTM D5329	≤3	0
Viscosity (s) After Heat Ageing	CAN/CGSB 37.50-M89	2 ≤ x ≤ 15	4
Low Temperature Flex After Heat Ageing	CAN/CGSB 37.50-M89	Pass	Pass
Water Resistance	CAN/CGSB 37.50-M89	Pass	Pass
Resiliency	ASTM D5329	40% minimum	>40%
TAS 114 H (lbf @ max load)Direct to Concrete	TAS 114 H	N/A	538
Fire Test for Roof Coverings	ASTM E108	Classification	Class A
Ambient Temperature Restrictions			Above 0°F (-17°C)
Chemical Resistance	ASTM D896	No Blistering, Deterioration or Re-emulsification	Pass: water, calcium chloride, salt, mild acid, alkaline solutions
Coverage			Base Layer: 115mils Top Layer: 100 mils Total System: 215 mils
Packaging			30 lb. Box with Polyethylene Bag
Miami Dade NOA			No: 24-0430.05

May help to contribute to LEED® credits:

EA Credit 1:	Optimize Energy Performance
EQ Credit 3.1:	Construction IAQ Management Plan: During Construction
EQ Credit 4.2:	Low Emitting Materials: Paints and Coatings
MR Credit 5.1:	Regional Materials: 10% Extracted, Processed and Manufactured Regionally
MR Credit 5.2:	Regional Materials: 20% Extracted, Processed and Manufactured Regionally

SHIPPING INFORMATION

Proper Shipping Name:	Non-regulated material
Hazard Class:	Not Applicable
Identification:	Not Applicable
Packaging Group:	Not Applicable

NOTE: Applies to DOT-U.S./ MOT-CANADA/INT'L (ALL MODES).



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Results may differ based upon statistical variations depending upon mixing methods and equipment, temperatures, application methods, test methods, actual site conditions and curing conditions. Installation conditions and methods can impact product performance. Consult your local GMX Sales Representative for Questions.

PRIOR TO EACH USE OF ANY GMX PRODUCT, THE USER MUST ALWAYS READ AND FOLLOW THE WARNINGS & INSTRUCTIONS ON THE PRODUCT'S MOST CURRENT PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET WHICH ARE AVAILABLE ONLINE AT WWW.GMXCO.COM OR BY CALLING GMX AT 866-228-7743. NOTHING CONTAINED IN ANY GMX MATERIALS RELIEVES THE USER OF THE OBLIGATION TO READ AND FOLLOW THE WARNINGS AND INSTRUCTIONS FOR EACH GMX PRODUCT AS SET FORTH IN THE CURRENT PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET PRIOR TO PRODUCT USE.

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