

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

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 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

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| Flash Point | > 500°F (260°C) |
| Cone Penetration @ 77°F (25°C) @ 122°F (50°C) | 40 dmm 99 dmm |
| Toughness | > 20 JOULES |
| Toughness Rating | 0.04 Min |
| Flow | 0 mm 144°F |
| Resiliency | > 40% |
| Adhesion | Pass |
| Water Vapor Permeance | 1.7 ng/PA. m2 s |
| Water Absorption | 0.00-0.18 gr Max. Gain |
| Low-Temperature Flexibility | Pass |
| Crack Bridging @ -13°F (-25°C) | Pass 10 Cycles |
| Heat Stability (5 Hours) | Pass |
| Viscosity @ application temp. | 2-15 seconds |
| Ambient Temperature Restrictions | Above 0°F (-17.7°C) |
| Pinholing | None |
| 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, emulsification or deterioration |
| Coverage Base layer Top layer Total system | 115 mils (0.115 in) thick 100 mils (0.10 in) thick 215 mils (0.215 in) thick |
| Packaging | 30 lb. Boxes with Polyethylene Bags |

May help to contribute to LEED® credits:

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| 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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