

OVERVIEW & FEATURES

Dura-Walk CWH is a hot-applied, seamless waterproofing membrane. This 100% solids rubberized, asphalt-based formula is fluid applied to form a continuously-adhered waterproofing system over a variety concrete of substrates. Apply this flexible, high-build material to surfaces that require a layer of waterproofing before adding a covering (such as tile, concrete, pavers or vegetative roof system). Dura-Walk CWH is a versatile waterproofing system, ideal for parking structures, walkways and terraces, roofs and other instances where a monolithic waterproofing membrane is required.

Highly Sag Resistant – Dura-Walk CWH is easy to build up into a thick, durable system – even while taking fewer steps than other systems. This formula flows easily into cracks and crevasses, bridging cracks up to 1/8" wide (as opposed to other formulas that bridge cracks up to only 1/16"). Dura-Walk CWH applies easily and new coats can be applied to previous coats without requiring any rigorous preparation.

High-Performance Formula – The high volume of premium rubber used in this formula helps Dura-Walk CWH retain its elastomeric and elongation properties, providing a flexible waterproofing membrane that won't become brittle or crack like other materials.

Quick Curing – Dura-Walk CWH contains 100% solids, so the material cures almost immediately upon application. The material cools and hardens quickly, minimizing downtime and speeding up the overall project timeline.

APPLICATION

Surface Preparation & Priming – The surface should be uniform and absent of any discontinuities larger than 1/8" (0.32 cm). Some substrates may require shot-blasting, sandblasting, or other appropriate cleaning prior to Dura-Walk CWH application.

Surfaces to be coated should be free of paint, oil, rust and contaminants. Prime surface with Garla-Prime™ or approved asphalt-cutback equal (meeting ASTM D-41). Spray primer uniformly to the prepared surface at a rate of 1/8–1/4 gal. per 100 sq. ft. Allow all metal surfaces that Dura-Walk CWH will be in contact with – HVAC units, vents, flashings, etc. – to dry completely before applying Dura-Walk CWH.

Prepare all cracks and joints and install vertical flashings before installing the Dura-Walk CWH waterproofing membrane. See Dura-Walk CWH Application Guide detailed information on proper preparation of cracks, joints, vertical flashings and vertical penetrations.

Melting – Dura-Walk CWH must be melted in a double boiler-type melting unit equipped with agitation and recirculation systems capable of safely heating Dura-Walk CWH 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 Dura-Walk CWH at 380-400° 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 the deck surface using a flat blade squeegee, approximately 18"-wide and 3/16 - 1/16" thick (45 cm wide and 0.48 – 0.16 cm thick). If bubbles or other outgassing appear, apply additional material.

After base layer is applied, immediately roll in HPR® Polyscrim Plus, or approved equal reinforcement, into the hot Dura-Walk CWH. When reinforcement is embedded, apply top layer of Dura-Walk CWH at least 100 mils (0.10") thick. The total system height should be at least 215 mils (0.215"), but may be higher.

Dura-Walk CWH system should be covered as soon as possible with either polyethylene sheeting, protection boards, roll roofing, pavers, or asphalt-saturated sheets. This protects the Dura-Walk CWH system from punctures, abrasions, and UV exposure.

See Application Guide for general application guidelines, and project specifications for specific application instructions. Contact Garland'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.

STORAGE

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.

LIMITATIONS

- Not intended as a permanently exposed surface
- Not intended for traffic bearing applications
- Do not install over lightweight structural concrete or lightweight insulating concrete
- Do not leave uncovered for more than 48 hours

Dura-Walk® CWH

Technical Data	Dura-Walk® CWH
Conformance	CGSB 37.50 M89 Requirements
Flash Point ASTM D-92 CGSB 37.50 – M89	500°F (260°C)
Cone Penetration @ 77°F (25°C) @ 122°F (50°C)	110 Max 200 Max
Adhesion Rating	1.0 Min
Toughness	5.5 Joule Min
Toughness Rating	0.04 Min
Water Vapor Permeance	1.7 ng/Pa. m ² s
Water Absorption	0.00-0.18 gr Max. Gain
Low Temperature Flexibility @ -13°F (-25°C)	Pass
Crack Bridging @ -13°F (-25°C)	Pass 10 Cycles
Heat Stability (5 Hours)	Pass
Viscosity at Application Temperature	2-15 Seconds
Product Application Temperature Minimum Maximum	380°F (193°C) 400°F (204°C)
Ambient Temperature Restrictions	Above 0°F (-17.7°C)
Application Rate 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
Shelf Life	24 months

For specific recommendations and coverage rates, please contact your local Garland Representative or Garland Technical Service Department.

For more information, visit us at: www.garlandco.com

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Tests verified by independent laboratories. Actual roof performance specifications will vary depending on test speed and temperature. Data reflects samples randomly collected. A ± 10% variation may be experienced. The above data supersedes all previously published information. Consult your local Garland Representative or Garland Corporate Office for more information.

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