

WIP 300HT High-Temperature Protection Self-Adhering Roofing Underlayment

WIP 300HT

WATER & ICE PROTECTION HIGH-TEMPERATURE PROTECTION

WIP 300HT is a high-tensile-strength rubberized asphalt underlayment specifically designed to withstand temperatures up to 250°F (121°C). Ideal for use under metal including copper, zinc and COR-TEN® (consult technical department for installation instructions), WIP 300HT can also be used under synthetic, concrete and clay tiles and asphalt shingles. This strong, skid-resistant membrane is available in either black or white and provides superior protection from water penetration caused by wind-driven rain and ice dams.

Features and Benefits

- Protects the roof structure from water seepage caused by ice dams and wind-driven rains
- Resists temperatures up to 250°F without degradation of the adhesive
- Seals around roofing nails, staples and screws
- Split-release film provides easier, faster installation
- Resists cracking, drying and rotting, providing long-term waterproofing performance and low lifecycle cost
- Concealed waterproofing system will not detract from the architectural aesthetics of the primary roofing system
- Exposed rubberized asphalt bead along the membrane edge ensures watertightness of lap seams
- 180 days exposure time

Standards

- UL Classified
- ICC-ES ESR #2206
- 2009, 2012, and 2015 International Building Code™
- Florida Building Code Approved Product #6785
- Meets ASTM D1970
- Miami-Dade County Product Control Approved
- ASTM E108/UL 790 Class A Fire Resistance
- 2016 California Green Building Standards, Title 24
- 2015, 2012, and 2008 ICC 700 National Green Building Standard

Storage

WIP 300HT roofing underlayment rolls should be stored on their side, under cover and in areas where the temperature is between 40° and 100°F (4.4° and 38°C). **Do not double-stack pallets.**

Warranty

Carlisle WIP products are backed by Carlisle's industry-leading warranty. Carlisle WIP Products will display optimal performance when stored under recommended conditions and used within one year of date of manufacture. Product installed after one year of date of manufacture is not covered under defect warranty. Visit our website for warranty details.

Installation

WIP 300HT underlayment is applied when the roof deck is dry and the substrate temperature is 40°F (4.4°C) or higher. At temperatures below 40°F, nailing or priming should be used to temporarily hold the membrane in place while adhesion develops. WIP 300HT is designed to be covered with the primary roofing system and should not be exposed to sunlight for more than 60 days (black film only). White underlayment offers exposure time of 180 days.

Substrate must be free of any moisture. If moisture is present, it may inhibit adhesion. Prepare the roof deck by removing all loose objects, dirt, dust and debris. For re-roofing applications, remove all old materials from the roof deck in the area to be covered with WIP 300HT underlayment. Replace water-damaged sheathing and sweep roof deck thoroughly.



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Priming

Priming is not required on clean, dry wood, metal or most polyisocyanurate surfaces (polyiso paper facer does require priming). Masonry and exterior gypsum boards (such as DensDeck®) should be primed using an appropriate primer or adhesive. Some rigid insulation boards with porous or dusty surfaces may require priming to promote initial adhesion. Priming is required on all substrates when air or substrate temperatures are below 40°F (4.4°C). Adhesives such as CCW-702, CCW-702WB, CAV-GRIP™ and CCW-AWP are approved for use with WIP products. Refer to your local building codes to determine acceptable product for use in your region.

Selection of roof deck or insulation substrate and/or use of a primer or adhesive are the responsibility of the architect, specifier or roofing contractor to determine based on the roof assembly and environmental conditions.

Valleys, Hips & Ridges

Cut WIP 300HT roofing underlayment into manageable lengths. Align over the center of the valley, hip or ridge. Remove release film. Press the middle of the membrane first before working toward the edges. For open valleys, cover WIP 300HT roofing underlayment with metal valley liners.

Eaves & Rakes

Cut WIP 300HT underlayment into 10–15' pieces. Remove 2–3' of release film and align the edge of the membrane, sticky side down, so it overhangs the drip edge by ¾" (10 mm). Continue to remove release film and press as you move across the roof. Use a hand roller and/or hand pressure to press into place. Overlap end laps a minimum of 6". WIP roofing underlayment should reach a point 2' inside the interior wall line. Local codes may require additional courses. If additional courses are required, the top lap must be at least 3½".

Drip Edges

At the rake edge, apply WIP 300HT underlayment first and place drip edge on top. At the eave, apply drip edge first and place WIP underlayment on top of the drip edge so that it overhangs drip edge by ¾" (10 mm).

For standard installation details, follow the WIP detail drawings. For non-standard installation instructions, contact your local Carlisle WIP representative.

Metal Roof Underlayment

Under water-shedding metal roof systems or low-slope metal roofs with a minimum ½" slope, start at the low point and apply WIP 300HT over the full surface of the roof deck. Review the metal roofing manufacturer's instructions for limitations and precautions. Beginning at the eaves, apply underlayment from the low point to the high point of the roof, running the roll horizontally.

Lap Edges

Lap edge seams should be hand rolled to ensure maximum adhesion.

Limitations

- WIP 300HT should be installed when air, roof deck and membrane temperatures are at or above 40°F (4.4°C).
- WIP 300HT should not be left exposed to sunlight for more than 60 days for black membrane or 180 days for white membrane.
- WIP 300HT membrane should not be folded over the roof edge unless protected by a gutter or other flashing materials.
- The primary roof system must be ventilated to prevent excessive moisture build-up in the interior structure.
- Use caution during the installation of the membrane as it may become slippery when wet or covered with frost.
- WIP 300HT must not be used in contact with PVC material.
- WIP 300HT is not approved for use in foam set tile applications.
- WIP 300HT is not designed for wall assemblies.

PRODUCT SPECIFICATIONS

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PHYSICAL PROPERTIES		
Surface	Black/White Engineered Polyolefin Composite Film with Factory-applied Anti-skid Coating	
Membrane	Rubberized Asphalt	
PRODUCT CHARACTERISTIC	UNITS	RESULTS
Roll Length	feet	66
Roll Weight	lbs	55
Roll Size	sq ft	198
Roll Width	inches	36
TYPICAL PERFORMANCE PROPERTIES	TEST METHOD	RESULTS
Thickness	ASTM D1970	40 mils
Low Temperature Flexibility	ASTM D1970	-45°F
Adhesion to Plywood at 75°F	ASTM D1970	35 lbs/ft
Lap Seam Adhesion at 75°F	ASTM D1970	21 lbs/ft
Sealability Around Nail	ASTM D1970	Pass
Slip Resistance	ASTM D1970	Pass
Thermal Stability	ASTM D1970	Pass
Moisture Vapor Permeance	ASTM D1970	0.02 perms
Water Absorption	ASTM D1970	0.5%
Tensile Strength Machine Direction	ASTM D412	250 psi
Tensile Strength Transverse Direction	ASTM D412	1390 psi
Elongation at Break Machine Direction	ASTM D412	250%
Elongation at Break Transverse Direction	ASTM D412	170%
PACKAGING INFORMATION		
Boxes (rolls) per pallet		25





WIP 300HT TEN YEAR WATERMARK MATERIAL WARRANTY

JOB #: _____ WARRANTY #: _____

BUILDING OWNER: _____

ADDRESS, CITY and STATE: _____

UNDERLAYMENT INSTALLER: _____

ADDRESS, CITY and STATE: _____

NAME OF BUILDING: _____

ADDRESS, CITY and STATE: _____

SQUARE FEET: _____ EFFECTIVE DATE: _____ THIS WARRANTY EXPIRES: _____

Carlisle WIP Products ("Carlisle"), warrants the Carlisle membrane product installed at the above project in accordance with the following terms and conditions:

Carlisle warrants to the Buyer of the membrane product that the membrane product will be free from manufacturing defects at the time of its delivery to the job site. Any claim by Buyer of a manufacturing defect in the membrane product must be given to Carlisle, in writing, within thirty (30) days of delivery of the membrane product to the job site. If, upon inspection by Carlisle, the membrane evidences manufacturing defects, Carlisle's liability and Buyer's exclusive remedy shall be limited to the replacement of the defective membrane product at the F.O.B. point in the original contract of sale.

Carlisle further warrants that subject to the terms and conditions of this warranty, the membrane will continue to meet its published physical properties for a period of **ten (10)** years from the date of issuance of this warranty, if properly installed, maintained and used for the purpose intended by Carlisle.

This warranty does not apply to any part of the membrane product unless installed by a professional roofing contractor. Further, this warranty does not cover any cost or expenses associated with the removal or replacement of other materials covering the membrane product incurred to test, repair, inspect, remove or replace the membrane product.

If upon inspection by Carlisle, the membrane product has not continued to meet its published physical properties through the **ten (10)** year period stated herein, Carlisle's sole liability and the Buyer's exclusive remedy are limited, at Carlisle's option, to the providing of repair material for the original membrane product or the granting of credit to be applied towards the purchase of a new membrane product.

This warranty applies only to the membrane product and does not cover flashings, adhesives and other accessories contained in a membrane system.

Any claim that the membrane product has not continued to meet its published physical properties must be made, in writing, to Carlisle within thirty (30) days of the date of discovery or by the expiration date of this warranty, whichever shall first occur.

Carlisle shall not be liable for any consequential or incidental damages related, directly or indirectly, to the presence of any irritants, contaminants, vapors, fumes, molds, fungi, bacteria, spores, mycotoxins or the like in the building or in the air, land or water serving or coming in contact with the building.

Carlisle shall have no obligation under this Warranty while any bills for installation, supplies, service, and warranty charges have not been paid in full to the authorized applicator, Carlisle, or material suppliers. This warranty shall become null and void, except for the disclaimers and limitations of liability herein, if any of the following shall occur:

- repairs or alterations are made to the membrane product after installation by anyone not expressly authorized by Carlisle;
- the membrane is damaged by intentional or negligent acts, accidents, misuse, abuse, vandalism, civil disobedience or the like;
- the membrane is damaged by natural disasters including, but not limited to, fire, insect infestations, earthquake, tornado, hail or hurricane;
- deterioration or failure of building components damage the membrane product;
- acids or harmful chemicals come in contact with the membrane product;
- the membrane is damaged by inadequate or faulty design of other building components; or subjected to temperatures outside of the typical service range of products: -10° to 250°

This warranty is not assignable by operation of law or otherwise.

CARLISLE DOES NOT WARRANT PRODUCTS UTILIZED IN THIS INSTALLATION WHICH IT HAS NOT FURNISHED; AND SPECIFICALLY DISCLAIMS LIABILITY, UNDER ANY THEORY OF LAW, ARISING OUT OF THE INSTALLATION AND PERFORMANCE OF, OR DAMAGES SUSTAINED BY OR CAUSED BY PRODUCTS NOT FURNISHED BY CARLISLE.

THE REMEDIES STATED HEREIN ARE THE SOLE AND EXCLUSIVE REMEDIES FOR FAILURE OF THE CARLISLE MEMBRANE PRODUCT. THERE ARE NO WARRANTIES EITHER EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY WHICH EXTEND BEYOND THE FACE HEREOF. CARLISLE SHALL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR OTHER DAMAGES INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS OR DAMAGE TO THE BUILDING OR ITS CONTENTS UNDER ANY THEORY OF LAW.