

# WaterBlock®

## Advantage - 30™ Synthetic Roofing Underlayment

For use beneath asphalt roofing shingles, wood shingles and shakes, metal shingles and metal panels, concrete tiles or slate.

*WaterBlock Advantage-30 is designed and manufactured to provide a superior roofing underlayment compared to both asphalt felt products and other synthetic underlayments.*

Advantage-30 is designed to be used over a roof deck as a water-resistant roofing underlayment beneath asphalt roofing shingles, wood shingles and shakes, metal shingles and metal panels, concrete tiles or slate.

### Excellent Slip Resistance

Non woven spun bonded synthetic Anti-Slip facer provides excellent slip resistance dry or wet.

### Superior Strength

UV stabilized woven scrim core bonded to the non woven Anti-Slip facer with a UV stable Anti-slip coating. Provides additional slip resistance, superior strength, and dimensional stability.

### The "Tacky Back Coating"

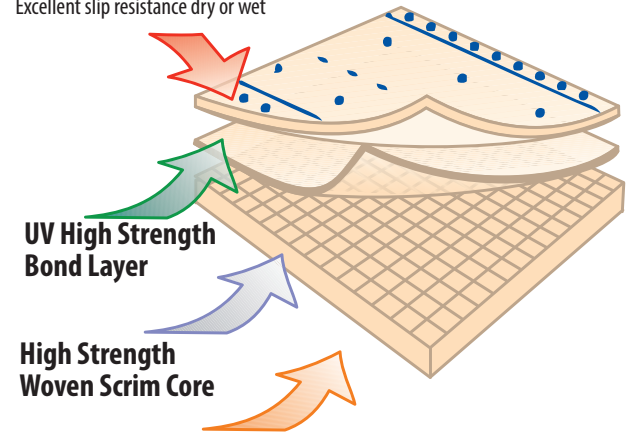
Bottom side of the woven core is coated with a UV stabilized High COF coating. (COF = Coefficient of Friction) which we call "Tacky Back Coating". The "Tacky Back Coating" helps prevent material movement by gripping the substrate when pressure is applied from the top side. This feature increases safety and decreases fabric tension at fastener locations.

## ROLL SPECS

(10 square roll = 1000 square feet)  
Length 250 ft. / Width 4 ft. / Weight 38 lbs.

### "Cool Tan" Anti-slip Facer

Excellent slip resistance dry or wet



High COF - "Tacky Back" Coating  
Grips substrate when pressure is applied

### Lay Flat Technology

Multi layer composition eliminates warping and wrinkling, providing a Lay Flat- NON Telegraphing underlayment. (felt underlayment's can warp and wrinkle if exposed to moisture, telegraphing the wrinkles to the asphalt shingles)

### Reduces Reflectivity and Glare

"Cool Tan" color creates a product that reduces reflectivity and glare, plus keeps the "on the roof working" temperatures cooler on sunny dry-in days, yet attracts and absorbs sunlight on cold days to help reduce frost.

### UV Stabilized

UV stabilized components create a product that will perform exposed for up to 6 months.

### 30 Year Limited Warranty

See limited Warranty for details.

### Advantage-30 Conforms to

Physical requirements ASTM D226 and D4869, CAN/CSA A123.3 Classification for use beneath UL 790Class A/ASTM E108, Class A fire rated asphalt shingles.

effective. 03-13-12  
supersedes. 00-00-00

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# Advantage - 30™

## Synthetic Roofing Underlayment

For use beneath asphalt roofing shingles, wood shingles and shakes, metal shingles and metal panels, concrete tiles or slate.

### INSTALLATION GUIDELINES:

Advantage-30 is designed to be used over a roof deck as a water-resistant roofing underlayment beneath asphalt roofing shingles, wood shingles and shakes, metal shingles and metal panels, concrete tiles or slate. Follow final/primary roofing manufactures instructions and all local building code requirements. Advantage-30 is limited to use with roof coverings that do not involve hot asphalt or coal tar pitch. Do not install Advantage-30 under copper, Cor-Ten® or zinc metal roofing. A sharp straight edge cutting blade or sharp scissors are recommended for cutting Advantage-30. Advantage-30 should be installed when ambient air temperature and roof deck substrate is 40 degrees (4 Celsius) or above, at time of installation. CAUTION! Always follow safe roofing practices and (OSHA). Also follow local building and safety codes. Use caution when walking, standing or crawling on Advantage-30. Moisture, dust, snow, ice, debris and other job site conditions may change the coefficient of friction of Advantage-30. Failure to use proper safety equipment and footwear can result in serious injury or death. Advantage-30 is considered a Vapor Barrier and should only be installed above adequately ventilated attic spaces, following all local building code requirements. Advantage-30 is not designed to be the final or primary roof.

### INSTALLATION:

Apply Advantage-30 to a swept clean, smooth, dry, nail able roof deck. Ensure the deck substrate is securely fastened, and has no gaps, sharp protrusions, depressions, rot, de-lamination, warpage, bowing, and is free of all debris. Damaged roof sheathing must be replaced prior to installation of Advantage-30. Application method is dependent on roof slope, anticipated exposure time, anticipated wind speeds, climate and finished roofing material. For roofs required to have an ice barrier under the IBC or IRC, or a severe climate underlayment under the UBC, a self-adhered polymer modified bitumen sheet, complying with ASTM D1970 or the ICC-ES Acceptance criteria for Severe Climate Underlayment (AC-48) shall be applied. The severe climate underlayment shall be applied over the solid substrate in sufficient courses that the underlayment extends up the roof a distance equal to the distance inside the exterior wall line of the building that is specified in the appropriate section of the applicable code. The Advantage-30 synthetic underlayment must overlap the severe climate underlayment a minimum of 12" or per the local code requirement, whichever is greater. Advantage-30 should not be used at slopes less than 2:12. Advantage-30 must be installed print side facing up. For additional protection, apply a single layer of Advantage-30 in valleys, hip areas, and all other high traffic areas prior to installing metal flashings (if used). Apply Advantage-30 up 12" inches (minimum) at all abatements, higher in heavy snow areas. Install drip edge at eaves under the Advantage-30 underlayment and over the Advantage-30 underlayment at rakes.

Standard slope Applications (4:12 or Greater): Starting at the lower edge of the roof, apply a single layer of Advantage-30 with printed side up, parallel to the eaves, covering entire deck surface. In a shingle fashion overlap all horizontal laps, a minimum of 4" inches and all vertical laps (end laps) a minimum 6" inches. Offset end laps from course to course a minimum of 6 feet. Apply flat and unwrinkled. Fasten according to anticipated exposure time, anticipated wind speeds, and climate as listed below.

Low slope Applications (2:12 to 4:12): Starting at the lower edge of the roof begin by applying a 24" starter strip of Advantage-30 with printed side up, parallel to the eaves, then place a full width sheet covering the entire starter strip, with lower edge flush to starter strips lower edge. Apply succeeding 48" wide courses up the sloped roof, overlapping each previous course a minimum of 26" in a shingle fashion. Overlap all vertical laps (end laps) a minimum of 12". Offset end laps from course to course a minimum of 6 feet. Apply flat and unwrinkled. Fasten according to anticipated exposure time, anticipated wind speeds, and climate as listed below.

Short Term Exposure: Short term installation is only applicable when the final roof covering will be installed within 24 hours after the installation of the Advantage-30 underlayment. The following criteria must be met, NO precipitation situation. NO winds greater than 10 miles per hour. Roof slope must be greater than 2:12 and less than 8:12. Fasten Advantage-30 with corrosive resistant or stainless steel staples with a 7/16" crown or 3/8" EG corrosive resistant roofing nails. Fastener length must meet code requirements and be able to securely hold the underlayment in place. Install adequate number of fasteners across top edge of Advantage-30 to securely hold underlayment in place prior to walking or crawling on the Advantage-30 to place fasteners along lower edge of underlayment. Staples must be installed in a vertical fashion 6" on center (O.C.) or closer wherever they are exposed at horizontal courses, end laps and rake turn downs, as well as the vertical upturns at roof to wall intersections. DO NOT install fasteners in field areas where only a single layer of underlayment is installed. Exposed fasteners at course laps and end laps must be placed vertical and thru two layers of Advantage-30. At roof edge where Advantage-30 is to be installed over metal drip edge install 3/8" EG roofing nails 12" inches on center (O.C.) or closer to secure Advantage-30. All fasteners must be driven flush to top side of underlayment. (Do not over drive fasteners.)

Medium Term Exposure; (> 2 days, up to 29 days maximum): For underlayment installations that are not covered by the final roof covering within 24 hours, and may be left exposed for up to 29 days in normal wind areas. Fasten the Advantage-30 with 1" diameter (minimum) corrosive resistant plastic or steel cap-nails driven flush at 90 degrees to the roof deck. All fasteners must have a minimum leg of 3/4" inch in length. Install adequate number of fasteners across top edge of Advantage-30 to securely hold underlayment in place prior to walking or crawling on the Advantage 30 to fasten field areas as well as the lower edge of all courses and end laps. Space fasteners 12" inches on center (O.C.) or closer along all course laps, end laps and at rake edges, and along the top edge at vertical upturns at roof to wall intersections. In the field area, install a fastener through each blue (DOT) location as printed on the Advantage-30.

Long Term Exposure; (> 30 days, up to 180 days maximum): For underlayment installations that are not covered by the final roof covering within 29 days, and may be left exposed for up to 180 days in normal wind areas. Fasten the Advantage-30 with 1" diameter (minimum) corrosive resistant plastic or steel cap-nails driven flush at 90 degrees to the roof deck. All fasteners must have a minimum leg of 3/4" inch in length. Install adequate number of fasteners across top edge of Advantage-30 to securely hold underlayment in place prior to walking or crawling on the Advantage-30 to fasten field areas as well as the lower edge of all courses and end laps. Space fasteners 6" inches on center (O.C.) along all course laps, end laps and at rake edges, and along the top edge at vertical upturns at roof to wall intersections. In the field area, install a fastener through each blue (DOT) location as printed on the Advantage-30.

High Wind Zones and Coastal applications: In high wind zones, Install 1" diameter (minimum) corrosive resistant plastic or steel cap-nails at 4" on center (O.C.) or closer, at all course laps, end laps and rake edges, and along the top edge at vertical upturns at roof to wall intersections. In the field area, install a fastener through each blue (DOT) location as printed on the Advantage-30.

### LAP SEALING:

It is highly recommended that a caulk or sealant material be applied between horizontal course and end laps prior to fastening to prevent moisture ingress from wind driven rain. Where seams or joints require sealant or adhesive, use WaterBlock Premium Polyurethane Sealant or a high quality, low solvent, asbestos free asphalt roofing cement meeting ASTM D4586 Type II or caulks based on butyl rubber or urethane.

### IMPORTANT INFORMATION:

Good construction practices dictate that the finished roofing material be applied over the Advantage 30 roofing underlayment as soon as possible to help reduce the chance of blow off and or leaks. INTERNATIONAL BUILDING COMPONENTS INC. SHALL HAVE NO LIABILITY FOR ANY DAMAGE TO THE ADVANTAGE-30 UNDERLAYMENT OR FOR ANY WATER DAMAGE TO THE ROOF DECK OR THE INTERIOR OF THE BUILDING PRIOR TO OR AFTER THE INSTALLATION OF THE FINISHED ROOFING MATERIALS OR DURING THE EXPOSURE PERIOD TO THE ELEMENTS.

### LOADING FINISHED ROOFING MATERIALS:

Prior to loading roofing materials on to the deck surfaced with Advantage 30 it is recommended that roof jacks, toe boards or a storage platform be secured to the underlying roof deck to prevent slippage of stored materials on steep-sloped roofs.(greater than 4:12) See OSHA Regulations (Standards-29 CFR), Fall Protection Systems Criteria and Practices. – 1926.502

### STORAGE:

Store Advantage-30 rolls horizontally on pallet or standing on end after pallet has been opened, in a dry protected area at a temperature less than 120 degrees Fahrenheit.