

AQUA GUARD™

Roofing Underlayment



PRODUCT DESCRIPTION

Aqua Guard is a combination of polyethylene and polypropylene. As a roof underlayment, Aqua Guard provides superior protection of the building interior while offering a stronger and lighter alternative to the traditional felt underlayment. A versatile product, Aqua Guard will not crack or dry in extreme temperatures and is highly resistant to wind blow off.

INSTALLATION

It is recommended that Aqua Guard be installed by professional roofing applicators to ensure a quality installation.

Prior to installation, the roof deck must be clean, smooth and dry. Because Aqua Guard is considered a vapor barrier, Carlisle recommends that it be installed above vented attic spaces. For further assistance, contact Carlisle's Technical Department.

Lay Aqua Guard horizontally (parallel to eave) with the printed side up, and with 4-inch (102 mm) horizontal laps and 6-inch (152 mm) vertical laps. Attach Aqua Guard to the roof with roofing nails having 1-inch diameter (25.4 mm) plastic caps or 3/8-inch-head corrosion-resistant roofing nails spaced at 6 inches (152 mm) on center on vertical and horizontal laps and at 24 inches (610 mm) on center vertically and horizontally in the field. For additional protection, lay a single length of Aqua Guard vertically up all valleys and hips.

After installation of Aqua Guard, installation of the roof covering can begin immediately. Though Aqua Guard is not designed for indefinite outdoor exposure, it can be left exposed for up to six months before applying the roofing system.

ADVANTAGES

Aqua Guard is ideal for both residential and commercial applications in both new construction and re-roofing jobs. It is a cost-effective material that does not tear easily or degrade from exposure to the elements when used as intended. Aqua Guard provides an ideal installation, being both easy on the back as well as highly slip resistant. Aqua Guard also meets all national building codes.

LIMITATIONS

Aqua Guard is not designed for indefinite outdoor exposure. It can be left exposed for a maximum of 180 days before applying the roofing system.

PRODUCT PROPERTIES (TYPICAL)

FORMULATION

Compound polyethylene/polypropylene

PRODUCT CHARACTERISTIC

| Units | Results |
|-------|---------|
|-------|---------|

| | | |
|-------------|------|-----|
| Roll length | feet | 250 |
|-------------|------|-----|

| | | |
|------------|--------|----|
| Roll width | inches | 48 |
|------------|--------|----|

| | | |
|-------------|-----|----|
| Roll weight | lbs | 31 |
|-------------|-----|----|

| | | |
|------------------|-------|------|
| Square Feet/Roll | sq ft | 1000 |
|------------------|-------|------|

PHYSICAL PROPERTIES

| Units | Results |
|-------|---------|
|-------|---------|

| | | |
|-----------------------------|-----------------------|----|
| Moisture Vapor Transmission | g/m ² /day | <1 |
|-----------------------------|-----------------------|----|

| | | |
|------------------------------|-----------|-----|
| Tensile Strength (ASTM D226) | MD lbs/in | 102 |
|------------------------------|-----------|-----|

| | |
|--------|----|
| CD lbs | 93 |
|--------|----|

| | | |
|-----------------|-------|-------|
| Tear Resistance | grams | >3200 |
|-----------------|-------|-------|

| | | |
|-----------------|----|-------------|
| Operating Range | °F | -20 to +200 |
|-----------------|----|-------------|

PACKAGING INFORMATION

| | | |
|--------------------------|--|----|
| Boxes (rolls) per pallet | | 36 |
|--------------------------|--|----|

| | | |
|----------------------------|-----|------|
| Weight per pallet (w/roll) | lbs | 1400 |
|----------------------------|-----|------|

APPLICABLE STANDARDS

ASTM D226, ASTM E96, ASTM D1938, ASTM D2523
Complies with: 1997 Uniformed Building Code, 2006 International Building Code and 2006 International Residential Code

WARRANTIES

EcoStar® warrants this product to be free of defects in workmanship and materials at the time of shipment from EcoStar's factory. EcoStar will at its option either supply new product or refund the purchase price of any product found to be defective hereunder.

EcoStar's limited warranties are the only warranties extended by EcoStar with respect to its materials. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. EcoStar specifically disclaims liability for any incidental, consequential or other damages, including, but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever.

The dollar value of EcoStar's liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the EcoStar material in question.



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