

RoofTopGuard SA Technical Data

| ICC-ES AC48 | | | | |
|-------------------------|-----------------|---------------------------|------------|--------------------------|
| PROPERTY | STANDARD | RESULTS - ROOFTOPGUARD SA | | UNITS |
| Tensile Strength | D2523 per D1970 | <u>MD</u> | <u>XMD</u> | |
| control | | 94 | 71 | lbf/in |
| accelerated aged | | 31 | 32 | lbf/in |
| UV exposed | | 34 | 33 | lbf/in |
| Water Vapor Permeance | E96(A) | | 0 | perms |
| Pliability | AC48 | | PASS | no crack |
| Water ponding | AC48 | | | |
| control | | | PASS | no leak |
| accelerated aged | | | PASS | no leak |
| Cycling and elongation | AC48 | | PASS | no crack or delamination |
| Accelerated Aging | AC48 | | PASS | no damage |
| UV Exposure | AC48 | | PASS | no damage |

| ASTM D1970 | | | | |
|--|----------|---------------------------|-------------|----------|
| PROPERTY | STANDARD | RESULTS - ROOFTOPGUARD SA | | UNITS |
| Low Temp Unrolling | D1970 | | PASS | no crack |
| High Temp Unrolling | D1970 | | PASS | no crack |
| Thickness | D5147 | | 26 | mils |
| Load-Strain | D2523 | <u>MD</u> | <u>XMD</u> | |
| | | 94 | 71 | lbf/in |
| | | 33 | 47 | % |
| Adhesion to Plywood at 40°F | D903 | | 95 | lbf/ft |
| Adhesion to Plywood at 75°F | D903 | | 35 | lbf/ft |
| Thermal Stability | D1970 | | 0 | inch |
| Flexibility Temperature | D1970 | | PASS | no crack |
| Tear Resistance | D4073 | <u>MD</u> | <u>XMD</u> | |
| | | 139 | 128 | lbf |
| Moisture Vapor Permeability | E96 | | 0 | perms |
| Sealability Around Nail | D1970 | | PASS | no leak |
| Waterproof Integrity after low temp flex | D1970 | | PASS | no leak |
| Waterproof Integrity of Seam | D1970 | | PASS | no leak |
| Slip Resistance | D1970 | | 1.31 > 0.86 | > felt |

| ACCELERATED WEATHERING FOR 180 DAY EXPOSURE | | | | |
|---|-----------------|---------------------------|------------|-----------|
| PROPERTY | STANDARD | RESULTS - ROOFTOPGUARD SA | | UNITS |
| Accelerated Weathering | D4798, 1000 hrs | | PASS | no damage |
| Load-Strain, post-AW | D2523 | <u>MD</u> | <u>XMD</u> | |
| | | 92 | 76 | lbf/in |

| | | | | |
|-------------------------------------|-------------------|-----------|------------|--------------------------|
| Adhesion to Plywood at 40F, post-AW | D903 | | 61 | lbf/ft |
| Adhesion to Plywood at 75F, post-AW | D903 | | 57 | lbf/ft |
| Low Temp Flex, post-AW | D1970 | | PASS | no crack |
| Tear Resistance, post-AW | D4073 | <u>MD</u> | <u>XMD</u> | |
| | | 135 | 128 | lbf |
| Tear Resistance, post-AW | D1938 per TAS 103 | <u>MD</u> | <u>XMD</u> | |
| | | 12.3 | 11.9 | lbf |
| Water Vapor Transmission, post-AW | E96 | | 0.33 | g/m2-24 hrs |
| Crack Cycling, post-AW | AC48 per TAS 103 | | PASS | no crack or delamination |

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| PROPERTY | STANDARD | RESULTS - ROOFTOPGUARD SA | | PROPERTY |
|--------------------------|---------------------|---------------------------|------------|-------------------|
| Wind Uplift | TAS 124 per TAS 103 | | PASS | PASS 90 PSF |
| Tear Resistance | D1938 per TAS 103 | <u>MD</u> | <u>XMD</u> | |
| | | 10.9 | 10.2 | lbf |
| Load-Strain, control | D2523 per TAS 103 | <u>MD</u> | <u>XMD</u> | |
| | | 95 | 72 | lbf/in |
| | | 33 | 47 | % |
| Water Vapor Transmission | E96(B) per TAS 103 | | 0.38 | g/m2-24 hrs |
| Tile Slippage Resistance | TAS 103 | PASS | | no slip or damage |
| Crack Cycling | AC48 per TAS 103 | | PASS | no crack |
| Sealability Around Nail | D1970 | | PASS | no leak |
| Cycling and elongation | AC48 | | PASS | no crack |