

# A·R·C·HITECTURAL

## ROOF COATINGS

### HydroSHIELD Ultra Star

#### ● PRODUCT DATA SHEET

#### ● DESCRIPTION

HydroSHIELD Ultra Star is a blend of urethane and acrylic resins. It dries by evaporation to yield a non-yellowing, water-repellent surface. HydroSHIELD Ultra Star is UV stable. Unlike other coatings, it contains an added advantage, ceramic particles. These particles are the heat dissipation element that makes this formula unique.

#### RECOMMENDED USES

Surface to be treated must be clean. If necessary, remove all dust, grease and loose debris before applying this product. HydroSHIELD Ultra Star may be applied to metal, masonry, wood and most asphalt roof products.

#### APPLICATION

Please see the specification manual for proper procedures for preparing surfaces prior to application. This product may be applied with a roller, squeegee, brush or sprayer. Apply at the rate of .75 - 2.5 gallon per 100 square feet, per pass. (5 year = 0.5 gal., 10 year = 1.0 gal., 15 year = 1.5 gal., 20 year = 2.0 gal., & 25 year = 2.5 gal.: per 100 square feet)

#### ● BENEFITS

Abrasion Resistant	UV Resistant
Non-Yellowing	Flexible
Mildew Resistant	Energy-Saving
Non-Toxic	

#### ● TECHNICAL DATA

EMITTANCE:	.93 ASTM C-1371
REFLECTANCE:	.83% ASTM C-1549
FLEXIBILITY:	Passed 180° Mandrel Bend Test ASTM D-3111
HAIL RESISTANCE:	Passed with no fracture of the membrane
WEATHERABILITY:	Passed 2000 hours ASTM E-42 (G-26)
FIRE RESISTANCE:	Class "A" ASTM E-108
FUNGAL RESISTANCE:	Passed ASTM D-3273-73T
ELONGATION:	125% at 70° F ASTM D-882-75B
CLEAN UP:	Biodegradable citrus cleaning products or soap and water
VOC:	<50 grams per liter
WEIGHT:	9.6 lbs. per gallon +/- 2%
SOLIDS (WEIGHT):	56% +/- 2%
SOLIDS (VOLUME):	49% +/- 2%
PERMEABILITY:	4.0 ASTM D61653 @ 9 mils.

**CAUTION: High Humidity requires a longer time for water-based coatings to form a film that is rain resistant.**

- Avoid breathing fumes and prolonged contact with skin. Do not ingest. Keep containers covered when not in use. When using, provide proper ventilation. Dispose of product and container in accordance with local disposal codes.

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