

# IsoClear™

## High Performance Fluoropolymer Clear Coat

### DESCRIPTION:

IsoClear is a tough, flexible, transparent coating that protects the AcryLinkG™ roof coating. It forms a protective barrier that resists U.V. penetration and protects the colors from fading. It extends the lifespan of the substrate by protecting it from oxidation, corrosion and infiltration by free radicals. IsoClear is a two component coating. Its exceptional toughness and flexibility is the result of the reaction between a fluoropolymer resin and a polyurethane hardener prior to application.

### USAGE:

Recommended application over areas of ponding water or suspected ponding water. Can be used over custom colors to preserve appearance and prevent chalking or fading. May also be used over many types of skylights to preserve and protect their appearance and function.

### OUTSTANDING FEATURES:

- Provides exceptional weather resistance.
- Protects colors from fading. Keeps white bright.
- Maintains surface texture, gloss and appearance.
- Resists dirt retention, staining and discoloration.
- High abrasion and damage resistance. Low friction.
- Excellent mechanical strength, toughness and flexibility.
- Surface resists fungal growth and microbiological deterioration.
- High electrical resistivity protects metallics from tarnishing.
- Low VOCs and low odor during application.
- Will not attract insects, rodents or reptiles.
- Extends the useful lifespan of protective coatings.

**COVERAGE:**

Approximately 350-400 square feet per gallon (depending upon substrate)

**PACKAGE SIZES:**

1 Gallon

**COLOR:**

Clear

**TECHNOLOGY:**

Fluoropolymer urethane

**APPLICATION:**

IsoClear Hardener container should be emptied into the IsoClear Resin and stirred for 3 minutes. After stirring, allow to sit for 10 minutes or as long as necessary for all the air to escape.

IsoClear may be applied over AcryLinkG acrylic roof coating after it has been thoroughly dry for at least 24 hours. If coating over another painted surface, check compatibility first, as some paints may bleed color. IsoClear may be applied by brush or airless spray technique in a thin, even coat. Care should be taken to avoid creating foam or trapping air bubbles which may later result in pinholes or hazing. If traction enhancement is required, iron-free sharp white quartz sand may be broadcast into the wet IsoClear. After the first coat has thoroughly dried with the embedded grit, a second coat of IsoClear is applied to thoroughly encapsulate the aggregate. Equipment may be cleaned with water while the IsoClear is still wet.

**LIMITATIONS:**

Do not use below 40°F. Do not apply if the application cannot be protected from precipitation for 4 hours. Shelf life is 12 months when stored in proprietary containers between 45°F and 95°F.

**MAINTENANCE:**

Damaged areas should be thoroughly sanded, cleaned and then recoated. Dirt accumulations may be removed with warm water and detergent.

**PRECAUTIONS:**

Read the container label warning and Safety Data Sheet (SDS) for important health and safety information prior to the use of this product.

Keep out of reach of children and pets.

**TECHNICAL DATA**

Coating Type	Two-component fluoropolymer urethane
Color	Clear
Solids (weight) ASTM D-1044	48.0%
Solids (volume) ASTM D-1044	45.0%
VOC	80 grams/liter
Pot Life	6 hours
Recommended Thickness	2-3 mils dry film thickness per coat
Coverage	Approx. 350-400 ft <sup>2</sup> /gal
Drying Time	1 hour @ 70°F @ 50% RH
Cure Time	24 hours @ 70°F @ 50% RH
Flashpoint FTMS-141A/M4293	Non-Flammable
Water Absorption ASTM D-570-77	Zero
Tensile Strength ASTM D-412	2,000psi
Elongation ASTM D-412	50%
Impact Resistance (4mm indent)	No cracking or loss of adhesion
Low Temperature Flexibility ASTM C-711	180 deg. bend @ 20°F
Weatherometer ASTM G-23	Pass
Hardness ASTM D-3363	4H
Shelf Life (unopened)	1 year from date of manufacture