Quit Worrying About Your Roof.

The Crosslinking Acrylic Roof Coating

ACRYLINK™

Isothermal Protective Coatings

Isothermal Protective Coatings, Inc.
Let's face it: The best roof is the one you just don’t have to worry about. That’s why IPC takes away your roofing worries with a leak-free factory warranty.

We’ve been manufacturing spray-on roofing membranes and standing behind them with our factory warranty since 1981. Recently, we teamed up with the scientists at Goodyear to make our crosslinking technology even better. Hence, the new Acrylink G.

Of all the acrylic roof coatings available in the US, Acrylink G is still the only one that has crosslinking technology. This cutting edge roof coating technology gives our roofing system unbeatable performance at a competitive price.

But we don’t just have the best technology. We have the best warranty. So with an Acrylink G membrane installed on your roof, you can forget about your roof and get back to all those other things you have to worry about.
IPC offers two kinds of warranty coverage: a Materials Warranty and a System Warranty. Either warranty can be for a term of five, ten, or twenty years, depending on the thickness of the membrane applied.

Because of the cost of inspection and processing, roofs of less than 20,000 ft² are normally warranted by the contractor, not the manufacturer. For roofs of 20,000 ft² or larger, IPC ordinarily charges no inspection fees. IPC will consider warranting smaller roofs on a case by case basis, but an inspection fee is usually charged to cover the inspection and administrative costs.

**Warranty Fees:** IPC charges no fee for its Materials Warranty (IPC warrants the membrane to remain leak free for the term of the warranty, and will supply materials to repair any leaks for the duration of the warranty). For the full System Warranty, IPC charges $0.01 per square foot per year (the System Warranty covers the materials and the labor required to repair any leaks in the membrane for the duration of the warranty).

**Limitations:** Of course IPC can only be responsible for the roof if it is left intact. Earthquakes, substrate movement, hail damage, fire damage, vandalism, etc., are not covered under our warranty. See specimen Warranties for specific exclusions.

**Please Note:** This Warranty Information is only a general summary. In no way does it alter, augment, or replace the language, meaning, or legal standing of the written Warranty itself. Please refer to the Warranty specimen itself for all questions regarding exclusions or limitations, and the responsibilities of the building owner, the contractor, and IPC.

For more information, including specimen Warranties, see the Appendices of IPC’s Technical Specifications Manual.
Acrylink G is the only crosslinking acrylic roof coating on the market today. But what is crosslinking?

Crosslinking is a chemical reaction that joins polymer chains together into one large molecule.

An acrylic coating is a latex, or water-based suspension of polymer chains. When it is applied, the water evaporates out of it, allowing the polymer chains to uncoil or “coalesce” into a solid, seamless, waterproof membrane. Other acrylic coatings stop curing right there. But the Acrylink G membrane continues to cure after coalescence.

“Crosslinking” is the proper technical term for the additional chemical reaction that occurs in the Acrylink G membrane. After the coating has dried, a catalyst causes a strong chemical bond to form at many points along each polymer chain, tying them together into one, single, gigantic molecule.

This not only makes the Acrylink G roof membrane stronger and more elastic than other roof coatings, it dramatically increases its resistance to sunlight, water, and harsh chemicals.

Acrylink G’s technologically advanced crosslinking acrylic resin, jointly developed by IPC and Goodyear, is custom-reacted just for IPC.

It’s crosslinking that puts the Acrylink G roofing membrane truly in a class by itself.
### Technical Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solids (wt.)</td>
<td>73% ± 0.1%</td>
</tr>
<tr>
<td>Solids (vol.)</td>
<td>63% ± 0.1%</td>
</tr>
<tr>
<td>Wt./gal.</td>
<td>11.43 lbs.</td>
</tr>
<tr>
<td>Viscosity (Brookfield @ 100 rpm)</td>
<td>3000 cps</td>
</tr>
<tr>
<td>Vehicle type</td>
<td>100% crosslinking acrylic</td>
</tr>
<tr>
<td>Pigment/Vehicle ratio</td>
<td>1.5/1</td>
</tr>
<tr>
<td>Calcium Carbonate (CaCO₃) content</td>
<td>None</td>
</tr>
<tr>
<td>Elongation (failure, ASTM D 412)</td>
<td>360%</td>
</tr>
<tr>
<td>Elongation (90% recovery, ASTM D 412)</td>
<td>350%</td>
</tr>
<tr>
<td>Tensile Strength (ASTM D 412)</td>
<td>304 psi</td>
</tr>
<tr>
<td>Hardness (ASTM D 2240, Shore A)</td>
<td>57</td>
</tr>
<tr>
<td>Tear Strength (ASTM D 624)</td>
<td>63 lbs./inch</td>
</tr>
<tr>
<td>Service Temperature (ASTM D 2137, D 794)</td>
<td>-45°F to 250°F</td>
</tr>
<tr>
<td>Ponding Water Resistance</td>
<td>Excellent</td>
</tr>
<tr>
<td>Water Vapor Permeance @ 45 mils (ASTM E 96)</td>
<td>2.21 perms</td>
</tr>
<tr>
<td>Water Adsorption (ASTM D 471; 22 hrs, 73°C)</td>
<td>4.34%</td>
</tr>
<tr>
<td>Cold Flex (ASTM C 711)</td>
<td>Pass</td>
</tr>
<tr>
<td>Weatherometer (ASTM D 1499, G 23)</td>
<td>1000 hours</td>
</tr>
<tr>
<td>Weathered Elongation</td>
<td>76% of original</td>
</tr>
<tr>
<td>Weathered Tensile Strength</td>
<td>169% of original</td>
</tr>
<tr>
<td>Fire Resistance (UL 790 Non-Comb. Deck)</td>
<td>Class A, incline unlimited</td>
</tr>
<tr>
<td>Fire Resistance (UL 790 Combustible Deck)</td>
<td>Class B</td>
</tr>
<tr>
<td>Fire Resistance (FM, ASTM E108)</td>
<td>Class A</td>
</tr>
<tr>
<td>Hail/UV/Hail Resistance (Factory Mutual)</td>
<td>Severe Hail Resistant</td>
</tr>
<tr>
<td>Fungicide</td>
<td>0.02%</td>
</tr>
<tr>
<td>Adhesion (ASTM D 3359)</td>
<td>Pass</td>
</tr>
<tr>
<td>Chemical Resistance (ASTM D 1308)</td>
<td>Pass (no effect)</td>
</tr>
<tr>
<td>Solar Reflectance (ASTM E 903)</td>
<td>79%</td>
</tr>
<tr>
<td>Near-Normal Infrared Emittance (ASTM E 408)</td>
<td>0.95</td>
</tr>
<tr>
<td>Energy efficiency</td>
<td>ENERGY STAR® approved</td>
</tr>
<tr>
<td>VOC</td>
<td>16.2g/liter</td>
</tr>
</tbody>
</table>

### Color Chart

- **White**
- **Light Gray**
- **Gray**
- **Tan**
- **Beige**

*Actual color chips available upon request.

Acrylink G can be tinted any color with aqueous or universal colorants.

*Not available at all warehouses.

Utilizing crosslinking technology and a unique custom-engineered resin, **Acrylink G** exhibits a combination of high tensile strength and elongation previously found only in some urethane coatings, while retaining the superior ultraviolet resistance and ease of application of acrylic coatings. Its low surfactant polymerization process shortens curing time, minimizing application risks associated with poor weather.

In addition to high tensile strength and elongation, the cured **Acrylink G** membrane has excellent resistance to ponding water, fire, and harsh chemical environments, including acids, bases, industrial pollutants, and hydrocarbons, such as petrochemicals and animal fats.

Technologically advanced crosslinking acrylic resin and a superior coating formulation combined with competitive pricing set **Acrylink G** apart from all other roof coatings. With warrantable applications over nearly every type of commercial and industrial exterior, **Acrylink G** is as versatile as it is durable.

For technical data on **Acrylink G**’s companion products, and for procedures and specifications for the 17 roof types that **Acrylink G** renews, please refer to our Technical Specifications Manual.
How to Tell Which Roof is the Coolest

<table>
<thead>
<tr>
<th>Solar Reflectivity</th>
<th>Smooth Surface Built-Up Roof</th>
<th>Smooth Surface Modified Butumen</th>
<th>Granulated Butemen Dark Color Mix</th>
<th>Gray EPDM</th>
<th>Gray Butemen Medium Color Mix</th>
<th>Gravel Butemen Modified Butemen Light Color Mix</th>
<th>Metal Bire Galvanized</th>
<th>Aluminized Asphalt Coating</th>
<th>Metal Aluminum</th>
<th>White EPDM</th>
<th>Hypalon</th>
<th>Acrylink G</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black EPDM</td>
<td>5%</td>
<td>6%</td>
<td>12%</td>
<td>23%</td>
<td>24%</td>
<td>26%</td>
<td>34%</td>
<td>61%</td>
<td>61%</td>
<td>61%</td>
<td>69%</td>
<td>76%</td>
</tr>
<tr>
<td>White EPDM</td>
<td>18%</td>
<td>77%</td>
<td>68%</td>
<td>70%</td>
<td>73%</td>
<td>35%</td>
<td>67%</td>
<td>23%</td>
<td>20%</td>
<td>20%</td>
<td>23%</td>
<td>95%</td>
</tr>
<tr>
<td>Hypalon</td>
<td>67%</td>
<td>40%</td>
<td>25%</td>
<td>43%</td>
<td>43%</td>
<td>35%</td>
<td>67%</td>
<td>23%</td>
<td>20%</td>
<td>23%</td>
<td>67%</td>
<td>100%</td>
</tr>
</tbody>
</table>

Solar Reflective Index is the value that scientists use to express the efficiency of different roof systems in a scale of 0 to 100.

Conservation Concerns...

Acrylink G is environmentally safe. A waterborne polymer emulsion, it contains 100% non-photochemically reactive VOC. See IPC’s Technical Specifications Manual for MSDS. Acrylink G is ENERGY STAR® approved and can significantly reduce the energy load on a building. Moreover, Acrylink G can be recoated without removing the old membrane, unlike conventional roofing methods which require removal and disposal. This feature of the Acrylink G roofing system will become more and more important as landfill fees continue to rise.
Why is the Acrylink G Roofing System Right for Your Roof?

makes a seamless membrane over your entire roof — unlike more conventional roofs, which most often leak at the seams.

is fully adhered to your roof, so it does not require heavy ballast that puts a load on your building or mechanical fastening that increases your chances of a leak.

is stretchy. It can expand and contract with the little movements of your building that happen every day as a result of the temperature cycle.

is made of a cutting edge polymer that is UV resistant. Sunlight is the main cause of damage to roofing systems, and Acrylink G is designed to withstand it.

is chemical resistant. Harsh chemical environments degrade many industrial and commercial roofs. Acrylink G can withstand them better than any other roofing system to date.

is fire resistant. Acrylink G’s cutting edge formulation has garnered it an unbeatable fire rating from Underwriters Laboratories and Factory Mutual.

can be applied with much less labor cost than conventional roofing systems. So you spend a little more on materials and a lot less on labor. That way you can save money and get better performance from your roof at the same time.

has a factory warranty. IPC has been standing behind its roofs with no-leak warranties since 1981. So you don’t have to worry about whether your roof is really going to last as long as it should.

Install the Acrylink G Roofing System and quit worrying about your roof.
Some Corporations and Institutions using IPC Spray-on Roofing Membranes

Allstate Insurance Company
American Stove Products
Arkansas Power & Light
Burger King Corporation
Chevron Chemical Company
Chrysler Corporation
Circuit City
City of Jacksonville, Florida
Cominco American
Con-Agra Corporation
Continental Airlines
Delicato Vineyards
Dr Pepper Bottling Company
Eaton Corporation
Exxon
FMC Corporation
Furr’s Cafeterias
James Hardie Gypsum
G. Heileman Brewing Company
Georgia Pacific
Georgia Power Company
Goodyear Tire & Rubber
Greenwood Mills
Honeywell
Huron Steel
International Paper
J & M Steel
James River Dixie Northern Corporation
Kewaunee Scientific
McDonnell Douglas Corporation
Merchants Bank
The Metropolitan Opera of New York
Mississippi National Guard
Monsanto Chemical Company
National Gypsum
National Institute of Standards and Technology
North American Polyester
North American Rayon
North Carolina Foam Industries
Phillips Petroleum
Port of Brownsville, Texas
Port of New Orleans
Reynolds Metals Company
Riviana Foods
Rohm and Haas Company
San Antonio Shoe
Sarah Lee Corporation
Solutia
Southwest Airlines
Stewart & Stevenson
Texas Department of Criminal Justice
United States Air Force
Kelly Air Force Base
Tinker Air Force Base
United States Army
Fort Hood
Red River Army Depot
United States Bureau of Indian Affairs
United States Department of Agriculture
United States Forest Service
United States Navy
Corpus Christi Naval Air Station
El Centro Naval Air Station
Norfolk Naval Shipyard
United States Veterans Administration
University of Arkansas
The Walt Disney Company
Weyerhaeuser Corporation
...and numerous others, public and private.

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