Membrane Structure Fabric

NovaShield®... Strong & Light!
Whether you’re building a vast sports arena or a multi-purpose event tent, NovaShield is the proven choice for membrane structure fabrics. Designed to meet the industry’s highest standards, NovaShield membrane structure fabric is a proven durable material with enhanced UV protection and superior abrasion resistance. Our patented weave produces impressive strength-to-weight ratios and its lighter weight makes for easier, faster, cost-saving installations. NovaShield features excellent physical properties, wider widths and better color retention than comparable products.

The Industry Standard in Quality and Strength
Developed and manufactured by IPG®, NovaShield membrane structure fabric is designed for a variety of industries and applications. Our team takes the time to understand your unique needs and will help you select the NovaShield fabric that will deliver the performance that you require. IPG is also the only polyethylene membrane manufacturer to successfully combine long-life UV resistance with flame retardancy. NovaShield products pass the most demanding certification standards, including:

- California Fire Marshal (Listed)
- ASTM E84 (Class 1)
- NFPA 701 (Method 1 Method 2)
- CAN/ULC S-102
- CAN/ULC S-109 (Large and Small Scale)
- EN13501.1 (B.s1.d0)
- DIN4102 (B1)

APPLICATIONS
- Recreational Facilities
- Agricultural Buildings
- Scaffolding Shelters
- Environmental Enclosures
- Sports Arenas
- Industrial Buildings
- Event Tents
- Exhibition Halls
- AND MUCH MORE!
Stronger. Lighter. Tougher.

IPG®'s NovaShield® products are a proven alternative to PVC. Along with superior performance, IPG has continued to raise the bar when it comes to quality.

Our state-of-the-art vision system detects defects while the fabric is still on the roll during the manufacturing process.

Our Patented Weave

NovaShield's exclusive double-stacked scrim is a unique weave design offering strength and durability that our competitors don’t have. NovaShield is woven from high density polyethylene slit tapes and coated on both sides with low density polyethylene.

Structure Repair Tape

We are now offering our NovaShield Structure Repair Tape in white, green and beige. Also available in flame retardant (white only).

Table of Contents

Flame Retardant
- FRU88X-6 400 ................................4
- RU88X-6 (FR) 400 ...........................5

Standard
- RU88X-6 400 ................................6
- RU88X-6 350 ..................................7
- RB88X-6 350 .................................8

Small Scale Structures
- RU10-6 250 ....................................9
- RB10-6 250 .....................................10
- RU8-6 200 ........................................11
NovaShield® FRU88X-6 is our heavyweight 12.4 oz. fabric with flame retardant protection on both the scrim and the fabric coating. This fabric is built to withstand the natural elements of time with long-term UV protection and superior abrasion resistance with our Armorkote™ recipe. The scrim is produced using IPG’s special weaving pattern that enhances flatness and tear properties. This flame retardant fabric is recommended for large facilities housing important goods or items.

**Recommended Applications:** Entertainment Complexes, Manufacturing Facilities, Recreational Arenas, Aviation Hangars

**Warranty:** 15 year limited warranty

### Property | ASTM | Typical Performance
---|---|---
Base Fabric | | HDPE + FR/UV
Coating | | Armorkote + LDPE + FR
Weight oz/sq yd (gsm) | D5261 | 12.4 (420)
Thickness mils (mm) | D1777 | 23 (0.59)
Grab Tensile lb (N) | D5034 | Warp 375 (1665) / Weft 340 (1510)
Strip Tensile lb (N) (N/5cm) | D5035 | Warp 260 (2310) / Weft 240 (2131)
Tongue Tear lb (N) | D2261 | Warp 120 (533) / Weft 110 (489)
Trapezoidal Tear lb (N) | D4533 | Warp 110 (488) / Weft 90 (400)
Mullen Burst psi (kPa) | D3786 | 665 (4581)
Accelerated UV Weathering % Retained Strength | G154 | >90
Accelerated Natural Weathering % Retained Strength | G90 | >80
Low Temperature Bend °C | D2136 | -60

**AVAILABLE COLORS**

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Flame Retardant

NovaShield® RU88X-6 (FR) is our heavyweight 12.0 oz. fabric with a flame retardant coating and regular scrim. This fabric is built to withstand the natural elements of time with long-term UV protection and superior abrasion resistance with our Armorkote™ recipe. The scrim is produced using IPG’s special weaving pattern that enhances flatness and tear properties.

**Recommended Applications:** Agricultural Buildings, Manufacturing Facilities and Warehouses, Marine Storage, Mining

**Warranty:** 15 year limited warranty
NovaShield® RU88X-6 is our heavyweight 12.0 oz. structure fabric. This fabric is built to withstand the natural elements of time with long-term UV resistance and is enhanced with our ArmorKote™ recipe for superior abrasion protection. The scrim is produced using IPG’s special weaving pattern to enhance flatness and tear properties.

**Recommended Applications:** Agricultural Buildings, Salt & Sand Storage, Equipment Storage

**Warranty:** 15 year limited warranty
NovaShield® RU88X-6 is our heavyweight 10.5 oz. fabric for applications requiring superior performance and UV stability. The scrim is produced using IPG’s special weaving pattern to enhance abrasion resistance and tear properties. This fabric is great for smaller applications where translucence and aesthetic appearance are a priority.

**Recommended Applications:** Membrane Structure End Covers, Small Warehouses, Hay & Feed Storage, Utility Buildings, Car Ports

**Warranty:** 5 year limited warranty
NovaShield® RB88X-6 is our heavyweight 10.5 oz. fabric for applications requiring low light transmittance and UV stability. The fabric’s special weave pattern enhances abrasion resistance and tear properties.

**Recommended Applications:** Membrane Structure End Covers, Bulk Material Storage, Marine Equipment Storage

**Warranty:** 5 year limited warranty
Small Scale Structures

NovaShield® RU10-6 is our medium weight 7.4 oz. premium coated woven fabric with enhanced UV protection for use in applications that demand superior performance.

**Recommended Applications:** Event Tents, Scaffold Shelters, Portable Garages, Shade Structures, Greenhouses

**Warranty:** 5 year limited warranty

<table>
<thead>
<tr>
<th>Property</th>
<th>ASTM</th>
<th>Typical Performance</th>
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<tbody>
<tr>
<td>Base Fabric</td>
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<td>Clear HDPE</td>
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<tr>
<td>Coating</td>
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<td>Armorkote + LDPE</td>
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<td>Weight oz/sq yd (gsm)</td>
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<td>16 (0.40)</td>
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<td>Grab Tensile lb (N)</td>
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<td>Warp 230 (1021) /</td>
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<td></td>
<td></td>
<td>Weft 220 (976)</td>
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<tr>
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<td></td>
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<td></td>
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<td>Light Transmittance on Clear/Clear %</td>
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<td>&gt;80</td>
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**AVAILABLE COLORS**
NovaShield® RB10-6 is our medium weight 7.4 oz. woven coated black scrim fabric with enhanced UV protection. Ideal for applications requiring low light transmittance such as agricultural uses.

**Recommended Applications:** Portable Garages, Car Ports, Boat Shelters, Agricultural Curtains

**Warranty:** 5 year limited warranty
NovaShield® RU8-6 is our lightweight 6.0 oz. woven coated clear scrim fabric with enhanced UV protection. This fabric is ideal for applications requiring portability and lightweight features, as well as strength to withstand northern winters.

**Recommended Applications:** Greenhouses, Portable Garages, Utility Sheds, Agricultural Curtains

**Warranty:** 5 year limited warranty

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<tr>
<th>Property</th>
<th>ASTM</th>
<th>Typical Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base Fabric</td>
<td></td>
<td>Clear HDPE</td>
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<tr>
<td>Coating</td>
<td></td>
<td>LDPE</td>
</tr>
<tr>
<td>Weight oz/sq yd (gsm)</td>
<td>D5261</td>
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<tr>
<td>Thickness mils (mm)</td>
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<td>12 (0.30)</td>
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<tr>
<td>Grab Tensile lb (N)</td>
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<td>Warp 220 (977) / Weft 175 (777)</td>
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<tr>
<td>Trapezoidal Tear lb (N)</td>
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<tr>
<td>Light Transmittance on Clear/Clear %</td>
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Also available with flame retardant properties (FRU8-6) to meet local building code requirements.
CORPORATE PROFILE
Intertape Polymer Group® Inc. (IPG®) is a recognized leader in the development, manufacture and sale of a variety of paper and film based pressure-sensitive and water-activated tapes, polyethylene and specialized polyolefin films, woven coated fabrics and complementary packaging systems for industrial and retail use. Headquartered in Montreal, Quebec and Sarasota, Florida, the Company employs approximately 2,500 employees with operations in 21 locations, including 13 manufacturing facilities in North America and one in each of Europe and Asia.

CORPORATE VISION
IPG’s vision is to become an indispensable supplier to our customers, exceeding expectations in quality, delivery and cost through continuous improvement, innovation and customer interaction.