

# NovaShield®



## NOVASHIELD® ELITE

### NOVASHIELD® ELITE SERIES WITH ARMORKOTE™ FILM

Structure solutions have been evolving dramatically over the years. Demands on the membrane have also changed. For over 20 years, NovaShield has been the structure membrane of choice for applications such as Sports & Recreation, Commercial, Industrial, Municipal, Military and Agricultural building solutions. Larger structures with expectations of an increase in years of service have guided us to focus on a product that will deliver exactly that.

NovaShield Elite provides the next level in Architectural Structure Membranes. With an advanced platform, Elite is the result of five years of research & development, ensuring we created a product that meets today's demands. With the goals of greater performance and the longest warranty in the industry, we think we nailed it.

**THE FIRST SUSTAINABLE STRUCTURE FABRIC SOLUTION**



Making a positive impact on people and the planet



### FEATURES & BENEFITS

- High performance ArmorKote™ Film on exterior surface
- Flame retardant
- Enhanced UV protection for long service life
- High strength-to-weight ratio
- High level of abrasion resistance
- High cold crack resistance
- 20 year limited warranty

## ELITE

NovaShield Elite offers incredibly strong, long lasting protection from the elements and environment.



NovaShield Elite offers a soft, diffused light that creates an environment free of shadows and dark, dingy corners. During the day you may not even require the lights to be on!

### NOVASHIELD ELITE FAMILY

- 1 NovaShield® Elite**
  - Non FR Rated Membrane

- 2 NovaShield® Elite FR Plus\***
  - Our highest level of Flame Retardant Membrane
  - FR PERFORMANCE

\*This product meets the requirements of NFPA 701 - 1989 (large and small scale), CAN/ULC S109 (large scale), ASTM E84-00a (Class 1; FSI=10; SD=70), NFPA 701-2015 Method 1, NFPA 701-2015 Method 2, ASTM E84-16, CAN/ULC S102-10, CAN/ULC S109-14 (Small and Large Flame tests).



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## PRODUCT ATTRIBUTES

CHARACTERISTICS	Weave	Coating/Film	Weight	Cores	Width	Length	Colors	Limited Warranty
<b>NovaShield® ELITE &amp; ELITE FR PLUS</b>	Woven HDPE Tapes	ArmorKote™ Film/Coating	13.8 oz/yd <sup>2</sup> (470 gsm)	4" I.D.	Up to 144" (-0, +0.5)	500 yd rolls	White/White	20 years

Grab Tensile	Strip Tensile	Tongue Tear	Trapezoidal Tear	Mullen Burst	Accelerated UV Weathering †	Low Temperature Bend
ASTM D5034	ASTM D5035	ASTM D2261	ASTM D4533	ASTM D3786	ASTM G154	ASTM 2136
Warp 400 lb (1776 N) Weft 400 lb (1776 N)	Warp 260 lb/in (2309 N/5cm) Weft 240 lb/in (2131 N/5cm)	Warp 90 lb (400 N) Weft 90 lb (400 N)	Warp 80 lb (355 N) Weft 75 lb (333 N)	650 PSI (4478 kPa)	>90% strength retention after 2000 hrs exposure @ 0.77 W/m <sup>2</sup> /nm, or 1200 hrs exposure @ 1.35 @/m <sup>2</sup> /nm	-65°C

These values are typical data and are not intended as limiting specifications.

† Q.U.V [A-340 Lamps]; 8 hrs UV @ 60°C; 4 hrs condensation @ 50°C

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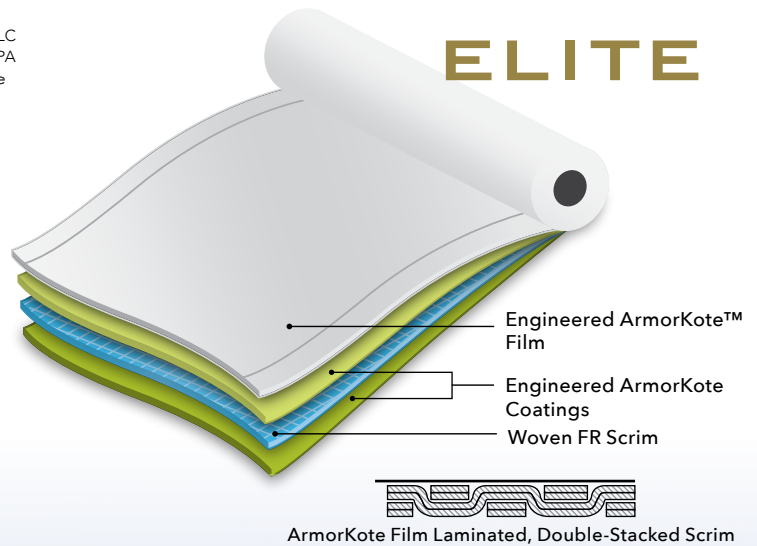
PRO FORMA- BASED ON LIMITED DATA

## PRODUCT APPLICATIONS

- Commercial Agriculture Structures
- Sports & Recreation Facilities
- Public Works Buildings
- Truck Shops
- Maintenance Buildings
- Manufacturing Structures
- Riding Arenas
- Storage Structures

## MARKETS

- Oil & Gas
- Aviation
- Sports & Recreation
- Industrial
- Public works
- Mining
- Commodity Storage



### WHAT MAKES THE NEW ARMORKOTE™ FILM PERFORM SO MUCH BETTER?

ArmorKote™ Film is part of the ArmorKote System of Protection made with the same ArmorKote Technology as our Coatings. What makes the film stronger than the coating are the special resins that we can only put into the film and not the coating. This creates an incredibly strong film that combined with our scrim and coating produce a stronger, higher performing membrane.

### NOVASHIELD TL INTERIOR LINER MEMBRANE

When you need to line and insulate your structure, we have your solution!

NovaShield TL is the perfect interior membrane that comes in both FR and Non-FR.



Scan for more info or visit [ecp.itape.com](http://ecp.itape.com)

