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NovaShield
BRAND



NOVASHIELD™ ELITE

NEW NOVASHIELD™ ELITE SERIES WITH ARMORKOTE™ FILM

Structure solutions have been evolving dramatically over the years. No longer is a conventional structure your only option. Your needs and the needs of the market have also changed. For over 20 years, NovaShield™ has been the structure membrane of choice for applications such as Sports & Recreation, Commercial, Industrial, Municipal, Equestrian and Agricultural building solutions. Demands on the membrane have also changed; larger structures with expectations of an increase in years of service have guided us to focus on a product that will deliver exactly that.

Designed with purpose in mind, 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.

Backed by Calhoun's 25 year warranty, the Elite Series of Structure Membranes provide peace of mind for years to come. NovaShield Elite is a solution for our customers, optimized for your building designs.

NOVASHIELD™ ELITE FAMILY Two products to make your choice simple:

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), California Fire Marshal (F-51407), 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).

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
- Calhoun 25 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!



1.800.265.3994 | info@calhoun.ca



PRODUCT ATTRIBUTES

CHARACTERISTICS	Weave	Coating/Film	Weight	Cores	Width	Length	Colors	Limited Warranty
NovaShield™ ELITE & ELITE FR PLUS	Woven HDPE Tapes	ArmorKote™ Film/Coating	13.8 oz/yd ² (470 gsm)	4" I.D.	Up to 144" (-0, +0.5)	500 yd rolls	White/White	25 years

Grab Tensile	Strip Tensile	Tongue Tear	Trapezoidal Tear	Mullen Tear	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 ² /nm, or 1200 hrs exposure @ 1.35 @/m ² /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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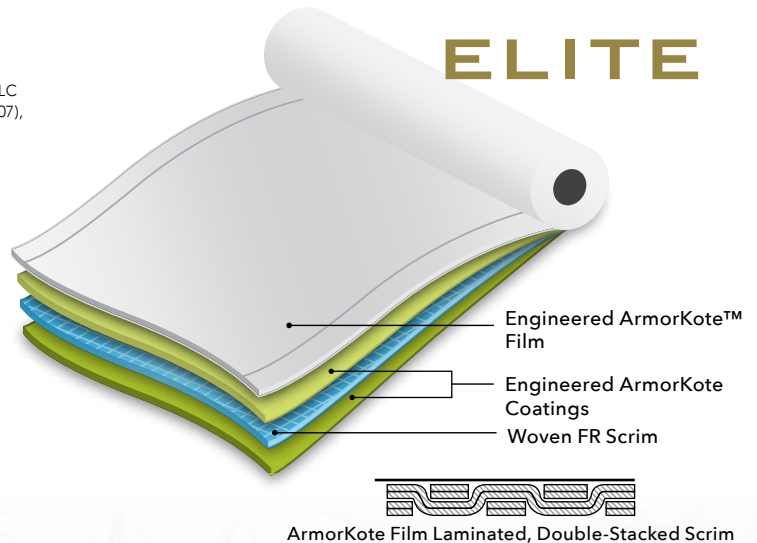
PRO FORMA- BASED ON LIMITED DATA

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 itape.com/novashield

