OCV™ Reinforcements

REINFORCEMENTS FOR CORROSION FRP APPLICATIONS

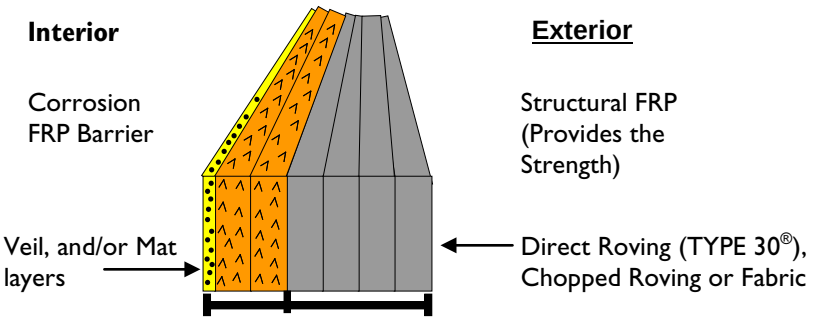
Advantex® Boron-Free E-CR Glass Reinforcement Products

ADVANTEX® GLASS IS E-GLASS AND E-CR GLASS

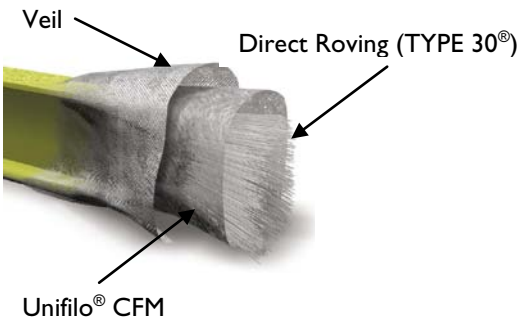
Advantex® glass offers a full line of products for every type of composite application designed to face corrosive environments. As an engineer, end-user, or fabricator selecting **Advantex®** glass will ensure you will be specifying, using, or making the highest quality composite applications ready to face the harshest environments. Select **Advantex®** glass when corrosion failure is not an option.

A proven product, introduced to the market in the late 1990's, **Advantex®** glass offers the unique attributes of being both a boron-free E-glass and an E-CR glass reinforcement in accordance with ASTM D578 and ISO 2078. See examples below where each type of reinforcement is used in applications facing corrosion.

Filament Winding or Laminate
(Ex. Pipe, Tank, Ducting, etc.)



Pultruded Applications
(Ex. Grating, Railing, Structural, etc.)

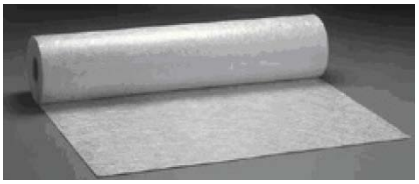


Direct Roving (TYPE 30®)

Used in the structural portion of most applications, Direct Roving provides the strength in filament wound and pultruded applications including pipe, tanks, structural I-beams, piling, grating and many other applications facing corrosion. Specifying E-CR reduces the risk of structural failure due to its stability in corrosive environments.

Chopped Strand Mat (CSM)

Many times CSM is used as part of the corrosion barrier in applications facing corrosion. Our Advantex CSM allows a resin rich environment but also delivers the necessary strength for a long lasting composite part.



Unifilo® Continuous Filament Mat (CFM)

Continuous filament mat is used in the pultrusion processes and provides the transversal resistance with high mechanical properties able to withstand corrosive environments.

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Veil

Veils strengthen the resin-rich corrosion barrier of many types of applications creating a strong bond with the underlying laminate. Surfacing veils also isolate the substrate fibers exposure to abrasion and corrosion, contributing to the structural integrity of the total composite.

Technical Fabrics

OCV™ Woven Roving Fabrics provide high-quality products designed to meet your performance in corrosion. Whether the need is woven roving, multiaxial, unidirectional, or a combination we can provide the E-CR solution. The fabric delivers cost effective solutions to your competitive reinforcement challenges, particularly large parts such as high-durability laminates or large process or storage vessels.

TAKE RISK OUT – PUT ADVANTEX® GLASS IN

For more information, visit www.owenscorning.com/composites/aboutAdvantex.asp

THE OCV™ BUSINESSES ARE WORLDWIDE SUPPLIERS

Supporting our customers with the entire Advantex® reinforcement product range including glass fiber, technical fabrics and specialty glass.

Most OCV™ products are manufactured with Advantex® glass today. Ongoing conversion programs are underway in Europe, Asia Pacific and Latin America manufacturing plants while North America plants are already converted 100% to Advantex® glass.

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