

PRODUCT DIVERSITY

TECHNICAL FABRICS

Whether composites, coating carriers, for filtration or specific industrial applications, we develop the ideal fabric for your intended purpose thanks to weaving widths of up to 5.3 meters and by combining different types of yarn.

TECHNICAL MESH STRUCTURES

Vitrolan's mesh structures are used as reinforcement and backing fabrics. Reinforcement fabrics are characterized by high dimensional stability and high tear strength while stretching minimally. By contrast, backing or carrier fabrics offer a higher bending, buckling and shear strength.

LAMINATES

Laminates combine the excellent properties of glass and polyester mesh fabrics with the benefits of full surface coverage achieved with non-wovens, paper or synthetic foil. Thanks to this intelligent combination, the risk of crack formation and spreading is eliminated. These laminations also feature a high perforation and puncture resistance, which is usually only achieved with tightly woven fabrics or heavy-duty polyester non-wovens.

SPECIAL PRODUCTS

In addition to offering excellent thermal insulating properties, **staple fiber fabrics** are particularly soft and absorbent and thus ideal for use as coating carriers or reinforcing material in model construction and mold making.

Due to its special structure, **glass staple fiber sliver** is the ideal weft material for decorative glass fiber fabrics. Chopped fiber strands are used for the production of glass fiber mats for thermal insulation and mixed non-wovens for glass-fiber-reinforced thermoplastics.

Mesh corner beads made from heavy duty, alkali-resistant fiber-glass mesh are designed to reinforce the corners of buildings and window reveals – providing a straight arris and optimal impact protection. They are available as preformed reinforced corner beads or as flexible corner beads supplied on rolls with a pre-defined mesh angle.

The patented **shielding fabric** for reinforcing exterior insulation and finish systems (EIFS) is interwoven with special metal threads which enable it to effectively attenuate electromagnetic radiation, especially in the frequency range of mobile phone networks.



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04/2019



HIGH-TECH IN GLASS AND PLASTICS: UNIQUE SOLUTIONS CUSTOMIZED TO YOUR NEEDS

Vitrolan is your first choice for an almost endless range of technical textiles based on glass, polyester, and numerous other synthetic materials.

Our focus is always on development and innovation. In close cooperation with our customers, we develop products perfectly tailored to their individual requirements while working continuously on optimization.

This also involves constantly tapping into new markets. Vitrolan products can therefore also be found in the composites, filtration, coatings and automotive sectors.

TECHNICAL TEXTILES

Innovative | Flexible | Versatile

- | Technical fabrics
- | Technical mesh structures
- | Laminates
- | Special products



ROOFING AND SEALING MEMBRANES

Woven fabrics, knitted fabrics, scrims and laminates are used in bitumen and plastic sealing membranes.

They actively contribute to improving the tensile strength, flexibility, and fire load of roofing and sealing membranes.

BENEFITS

- High tear and tensile strength
- Alkali-resistant
- Excellent flatness, uniform appearance
- Low thickness
- Defined fire load



DRY WALL AND ACOUSTIC PANELS

Special glass mesh fabrics and mesh non-woven laminates particularly enhance the tensile and flexural strength of panels made from different materials (e.g. concrete, gypsum, lightweight mortar, clay, wood or XPS, EPS etc.).

Optimized surface properties facilitate process capability and process reliability.

BENEFITS

- High tear and tensile strength
- Alkali-resistant
- Excellent flatness, uniform appearance
- Low thickness and weight

EXTERIOR AND INTERIOR PLASTER/RENDER REINFORCEMENT

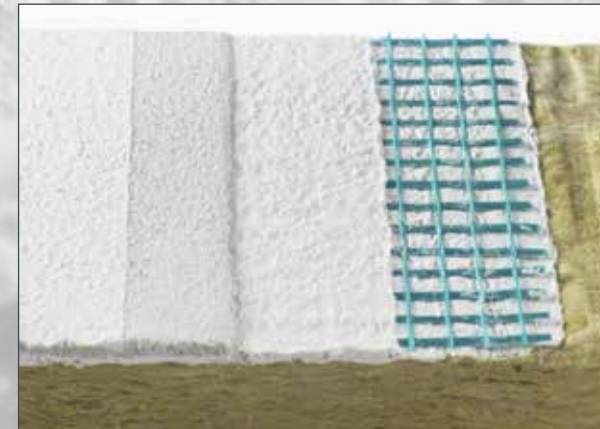
Our mesh fabrics provide reliable and permanent reinforcement for thin, medium and thick render systems, while effectively preventing crazing as well as the formation of undesired hairline, shrinkage or joint cracks.

Our glass mesh fabrics are mainly used in exterior insulation and finish systems as well as with interior paint and render systems.

Possible special designs: preformed reinforced or flexible corner beads with predefined mesh angle, shielding fabrics

BENEFITS

- High tear and tensile strength
- Alkali-resistant
- Excellent flatness, uniform appearance
- Low thickness
- Defined fire load



MARBLE AND NATURAL STONE SLABS

Vitrulan fabrics are ideal for use as a reinforcement backing on stone slabs such as marble, granite or limestone.

When correctly applied, our glass mesh fabrics protect the stone from damage, whilst at the same time guaranteeing even and controllable resin impregnation.

BENEFITS

- High tear and tensile strength
- Excellent flatness
- Uniform appearance
- Low thickness
- Low weight

