

# Specialties



## When strength is needed...

### TECHNICAL TEXTILES ADVANTAGES

Technical textiles are used to improve performance criteria such as:

- Mechanical strength: rupture, puncture, tear resistance, etc...
- Aesthetics: surface finishing, flatness
- Durability: resistance to fire, UV, moisture, mould, chemicals
- Sustainability: lighter and less resource consuming products.

### BENEFITS OF THE ADFORS PRODUCT RANGE

ADFORS' fabrics are made of glass and polymer fibres and are free from hazardous substances. We use sustainable raw materials with low or no VOC\* emissions.

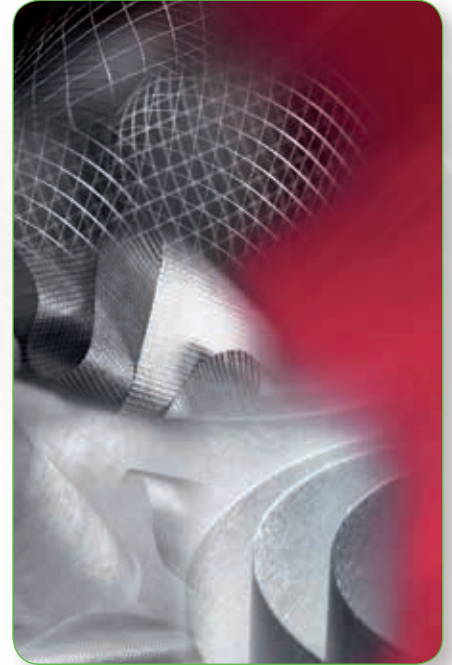
#### We master various forming technologies:

- ▶ glass veils
- ▶ non woven light scrim
- ▶ woven and knitted fabrics

These fabrics can be bonded and protected by a variety of technologies

- ▶ Coating of fabrics with polymers, dyes, functional agents...
- ▶ Application of adhesives (hot melt, reactivated...)
- ▶ Full impregnation, surface coating either on-line or off-line

Several fabric and coating combinations are possible to create high performance laminates.



## Your needs, our solutions

### PIPES

Depending on final market and products carried, pipes have to be chemically inert, acid resistant or treated for anti-corrosion.

#### Our Product Offer:

##### For FRP pipes

- ▶ **Glass veil** (inner and outer wrap),
- ▶ **Polyester scrim** used in the filament winding process.

##### For steel pipes (oil and gas industry)

- ▶ **Chemical resistant glass veils** impregnated in bitumen to propose inner and outer wrap for anti corrosion applications.



### COMPOSITE

Fibre reinforced plastics (FRP) can be lined with a glass veil to improve the surface finish by creating a resin rich outer layer.

#### Our Product Offer:

- ▶ Our **glass veil** can be used in larger scale **industrial processes** such as truck panel production, infusion as well as in smaller scale **manual applications** (hand lay up/spray up).



\* Volatile Organic Compounds such as formaldehyde.

## WALL COVERING

Wall covering is used as decorative layer or as reinforcement layer to avoid damages. For ceilings but also for walls a glass veil can be applied to obtain a finished flat surface.

### Our Product Offer:

- ▶ **Jumbo rolls of glass veils** to be cut in small rolls for retail market; then our product can be directly applied on walls and finally painted upon.
- ▶ **Specific glass veils to be pre-painted or printed.**



## FLOOR COVERING

From 1.5 to 5.2 meters wide, floor coverings products are reinforced with technical fabrics for dimensional stability. Each process as well as each final product needs a specific and customized reinforcement.

### Our Product Offer:

#### Vinyl resilient flooring

- ▶ **Glass veil for coating processes** with no or low VOC\* emissions. Not only focused on Indoor Air Quality, our products are also designed to have low VOC emission at high temperature, to decrease emissions during our customers' process.
- ▶ LVT (Luxury Vinyl Tiles) **glass veils for calendaring** processes with no VOC emissions.

#### High performance floors used in sport or transport markets

- ▶ **TwinFab®** product range: combination of non-woven and glass scrim.
- ▶ **Glass laid scrims** compatible with plastisol

#### Carpet & carpet tiles: vinyl or bitumen based, to avoid curling

- ▶ **Glass veil:** low or no VOC emission binder with strong dimensional stability
- ▶ **Glass and PES scrim**



## AND MUCH MORE...

There are so many applications for our technical textiles! Our products are used in filtration, battery separators, car headliners, hydroponic applications, etc...

\* Volatile Organic Compounds such as formaldehyde.

# Our main references for specialties applications...

## WALL COVERING

Product reference	Binder type	Gramm weight (g/m <sup>2</sup> )	Specifications	Applications
AW H 35	Acrylic	35	Glass veil, soft and wet resistant	Direct application on walls or ceilings
AP H 045	Acrylic	45	Glass veil with hot tensile	Industrial painting or coating
AP DH 60	Acrylic	60	Glass veil with low porosity	Industrial painting or printing

## FLOORING & CARPET TILES

Product reference	Binder type	Gramm weight (g/m <sup>2</sup> )	Specifications	Applications
AP H 35	Acrylic	35	Glass veil	LVT or vinyl backing for carpet tiles
AP 35	Acrylic	35	Open glass veil	Vinyl calendaring process
AP DH 35	Acrylic	35	Glass veil with low porosity	Vinyl coating process
TwinFab® 50 PA	EVA coating	51	Complex: PES-cellulose non woven + laid scrim	High resistant floor coverings
U 35	Modified UF	35	Open glass veil	Bitumen backing for carpet tiles
QX3311/F14	PVC	37	Laid scrim polyester	Vinyl backing for carpet tiles
TGCD2321/R18	SBR	12,6	Glass laid scrim	Bitumen backing for carpet tiles
GC5210/A101	EVA coating	11	Glass laid scrim	Vinyl backing for carpet tiles

## PIPE WRAPPING

Product reference	Binder type	Gramm weight (g/m <sup>2</sup> )	Specifications	Applications
KPM 6420/F14	PVC	10	Laid scrim polyester	FRP pipe wrapping
B 50 R8 Y	Bakelite	50	Glass veil reinforced each 8 mm	Inner and outer steel pipes

## COMPOSITE

Product reference	Binder type	Gramm weight (g/m <sup>2</sup> )	Specifications	Applications
AF L 40	Acrylic	40	Dry laid glass veil with soluble binder	Hand lay up/Spray up
AW 50 /2	Acrylic	50	Glass veil with soluble binder	Infusion process
PA L 40	Modified Thermo-plastic PVAc	40	Glass veil with thermoformable binder	RTM process
AP DH 025	Acrylic	35	Glass veil with low porosity	Continuous process as truck panels



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ADFORS designs and produces innovative textile solutions for reinforcement in the construction & industrial markets. With an experience over 50 years, ADFORS benefits from a strong expertise in glass fiber technology through its VETROTEx® business, an extended knowledge in weaving & coating and a wide offering of fabrics.