

ATLAS Architecture

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Brighter. Stronger. For Longer.

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AESTHETICS, STRENGTH AND DURABILITY - A MEMBRANE COMBINES THE POSITIVE PROPERTIES OF A TITAN

The Greek myth about the origins of the world tells of a time before human beings, when Uranus, the Sky, ruled over Gaia, the Earth, until one of their sons, the Titan Cronus, overthrew his father and freed the Earth from the clutches of the Sky. The tasks of protecting the Earth from the Sky and keeping the two deities apart forever was entrusted to the Titan Atlas.

Today, just as in the Greek myth, the ATLAS membranes protect us from heaven's inclemency.

The ATLAS membranes impress with their unique properties.



ATLAS

Brighter. Stronger. For Longer.

BRIGHTER. STRONGER. FOR LONGER.



Brighter:

Getting inspiration from the Greek mythology and its influence on architecture in all its regular and beautiful forms, we created the aesthetic ATLAS membranes. These are whiter membranes with an even surface and an elegant look thanks to the unique ATLAS base fabric.



Stronger:

Thanks to its incredible power, the Titan ATLAS held up the celestial heavens and thus protected the world. This endurance and strength is also a feature of the ATLAS membranes. The higher tensile strength and the better elastic performances come from the higher yarn density of the base cloth.



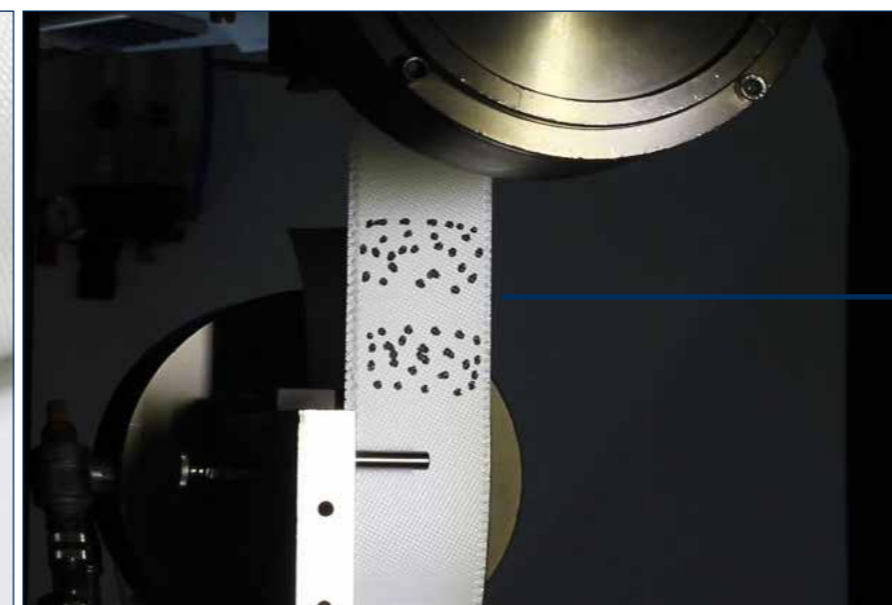
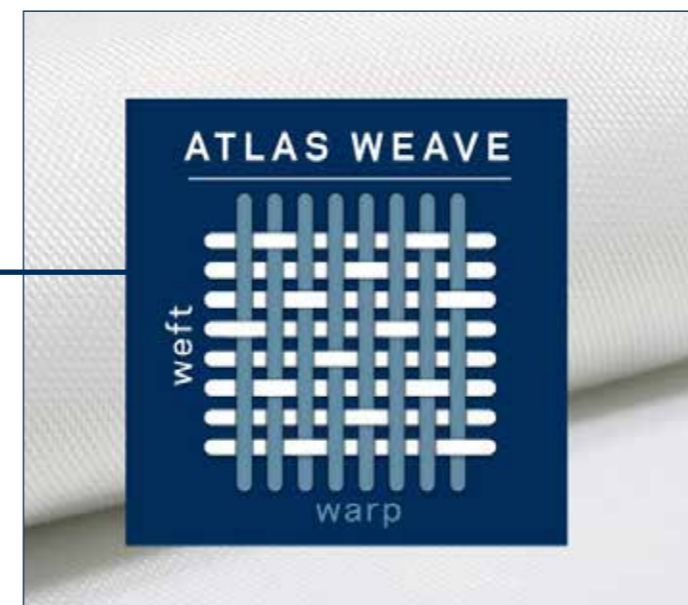
For Longer:

The power of the Titans is also reflected in the ATLAS coating. The new lacquers with titanium dioxide allow us to offer longer guarantees.



NEW BASE FABRIC - FOR MORE DURABILITY AND SHEEN

The distinctive mark of the ATLAS membranes is the extra smooth surface of the fabric. The flat and even structure of the base fabric results in a coated membrane with a fantastic sheen and a very smooth surface.

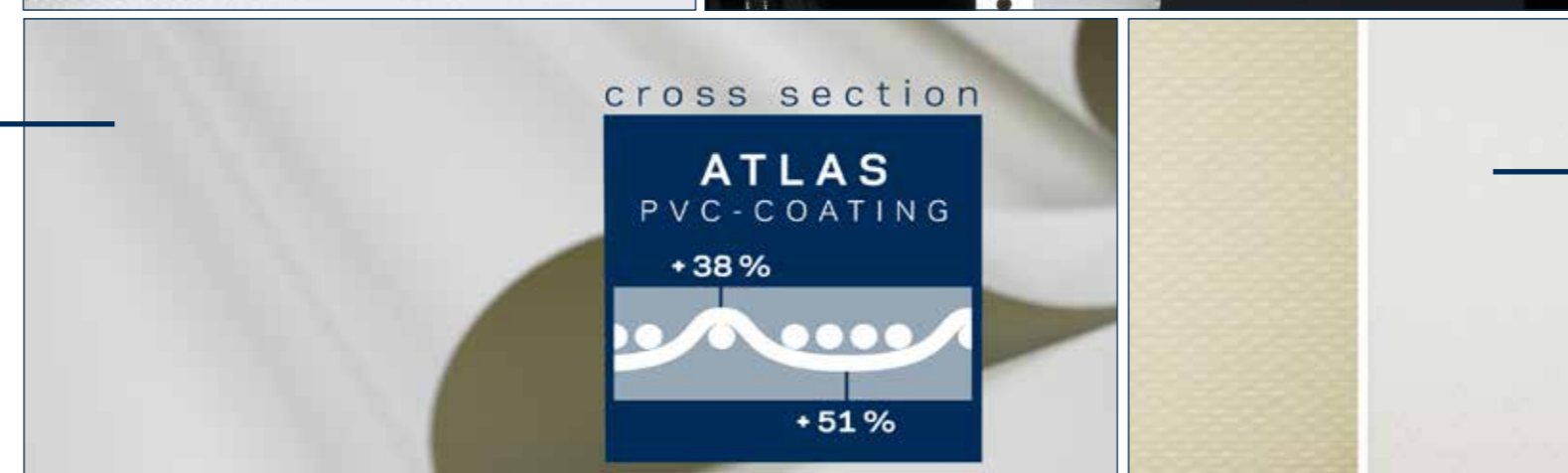


TENSILE STRENGTH - HIGHER BY UP TO 16%

Thanks to the higher yarn density of the base cloth, these fabrics have a higher tensile strength, by up to 16% compared to a panama fabric.

QUALITY - WITHOUT COMPROMISE

The PET yarns are covered with a thicker PVC-coating which protects the fabric even better. The result is an extremely strong membrane with a particularly long service life.



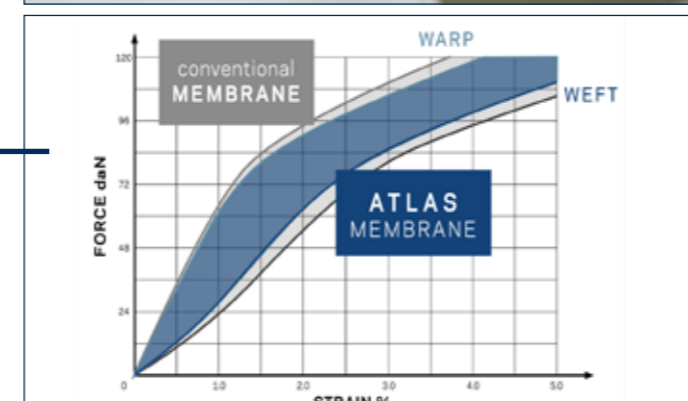
BETTER RESISTANCE TO THE UV-RAYS - THANKS TO THE NEW LACQUERS

The new lacquers for the ATLAS membranes offer better protection from the UV-rays, which has a major positive impact on the durability of the fabric.

Left: Standard membrane after 4000 h UV-weathering in the laboratory
Right: ATLAS membrane after 4000 h UV-weathering in the laboratory

EXTREMELY HOMOGENEOUS ELASTIC BEHAVIOR - IN WARP AND WEFT

The elastic behavior in warp and weft of the ATLAS membranes is much more homogenous than that of conventional fabrics. ATLAS membranes have less elongation difference between warp and weft, and stretch in both directions in a more uniform way, without constriction to a desirable flexibility and elasticity in textile architecture.

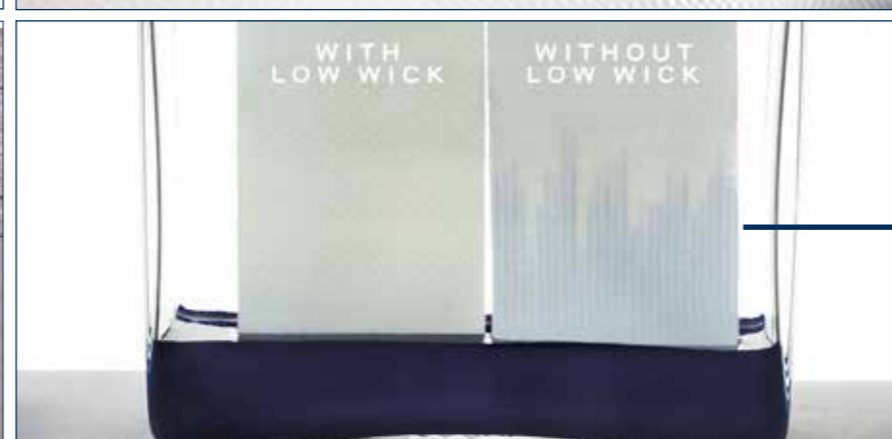
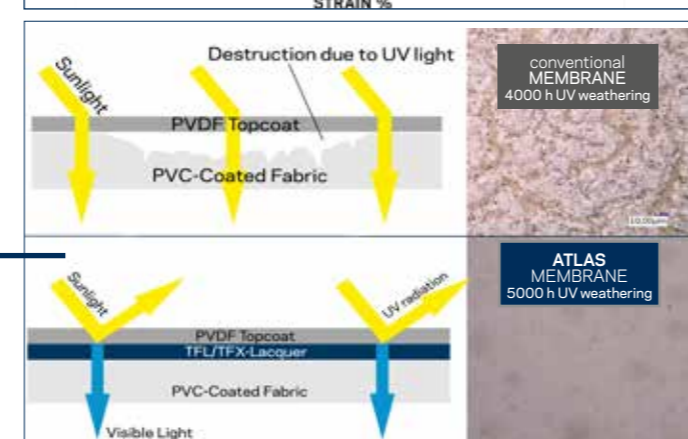


BEAUTIFUL SURFACE - FOR UNIQUE PROJECTS

The ATLAS membranes are whiter than conventional fabrics and have a beautiful shiny surface. The even surface of these high-quality fabrics ensures their elegant look and a homogeneous light transmission. The smooth surface hinders soiling, thus these fabrics are cleaner than conventional membranes.

NEW LACQUERS - FOR A LONGER SERVICE LIFE

The fabrics of the ATLAS product line are finished with a TFL lacquer (a multilayer finish with a UV-shield and a weldable PVDF lacquer) or with a TFX lacquer (a multilayer finish with a UV-shield, a new hyper-PVDF lacquer on the top and a weldable PVDF lacquer on the bottom of the fabric).
WARRANTY: 15 YEARS FOR PRODUCTS WITH TFL-LACQUERS AND 20 YEARS FOR TFX-LACQUERS.



LOW-WICK- TREATMENT

The low-wick system is a yarn treatment which prevents the penetration of microorganisms into the base fabric of the coated membrane. Thanks to this water and dirt repellent treatment, it is possible to avoid negative influences on functionality and optics on the long term.



ATLAS



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ATLAS Architecture Overview of fabric types

	Type I	Type II	Type III	Type IV	Type V
Base fabric	PES LOW-WICK	PES LOW-WICK	PES LOW-WICK	PES LOW-WICK	PES LOW-WICK
Coating	PVC	PVC	PVC	PVC	PVC
Lacquers	TFL / TFX	TFL / TFX	TFL / TFX	TFL / TFX	TFL / TFX
Total weight (g/m ²)	700	900	1200	1350	1550
max. tensile strength (N/5cm)	3700/3500	5000/4300	6000/5500	8600/8400	9750/9750

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All details to our fabric range are available in our **Fabric Selector**

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