

Mehler Texnologies – coated fabrics around the world

In the market of coated fabrics, Mehler Texnologies is one of the leading international companies. Millions of square metres of material are manufactured and supplied under the brands **VALMEX®**, **POLYMAR®** and **AIRTEX®**.

Our clients are companies in the manufacturing, fabrication and converting industry. The technology for our fully developed products comes from 60 years of experience in development and production. Continuous ongoing research and development further enhances existing composite materials, and opens up new ranges of application. To ensure the consistent high quality of our products means that we must continually keep up to date with the latest state-of-the-art technology. Continuous dialogue with planners, producers and processors from a variety of industries is evidence of a close mutual cooperation.

We manufacture our products at two sites in Germany and one site in the Czech Republic. Clients in more than 80 countries are supplied by our sales companies in Italy, France, Great Britain, Poland, Latvia, Romania, Middle East, Turkey, and the United States as well as sales agents in other European countries, Asia and Australia.



Manufacturing of coated fabrics is committed to highest quality standards

The Australian Story

Penquin Parade
Phillip Island, Victoria, Australia
1988 – ongoing
18+ Years



Enduring architectural fabrics for the world



www.mehler-texnologies.com



Sunhill Garden Centre
Auckland, NZ
1988 – ongoing
18+ years



Experience and longevity – the real story

Australia has one of the harshest climates in the world for architectural fabrics. PVC fabrics are exposed to very high levels of UV radiation there, and the region also encounters problems caused by high levels of humidity, typical in tropical climates. In many ways it is the ultimate laboratory for architectural fabrics!

Mehler Technologies architectural fabrics have been exposed in the Australian environment for over 20 years! Their performance in this environment has been exceptional. There is no other supplier of PVC architectural fabrics with this history and performance in the region.

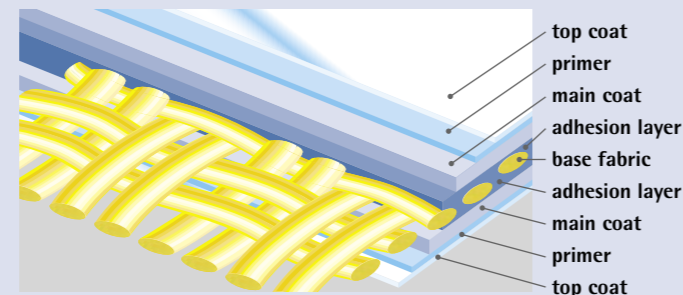
There are many materials from many manufacturers. Very few have the experience required to manufacture PVC fabrics that will endure such harsh climatic conditions, and there are none that can demonstrate over 20 years of exposure, and with negligible claims and no major fabric failures! This experience has enabled Mehler Technologies to manufacture architectural fabrics for the world.

- UV stabilized
- Mould resistant
- Antiwick
- Dirt resistant surface
- Wide with

VALMEX® MEHATOP F

Mehler Technologies is a company with most experience in PVC coating. First membrane structure materials have been produced in the early sixties. Because of the various range of fabrics for other applications like tarpaulins, tents, sun protection, environment and industry Mehler Technologies has a great know-how and is able to manufacture fabrics of highest quality.

Mehler Technologies' membrane VALMEX® MEHATOP F is a multi-layer composite material with special densely woven low-wick yarns in the base fabric. Several coatings (adhesion, main coat, primer) give necessary tightness and flexibility. The surface lacquering, that includes PVDF lacquer (MEHATOP F) developed by Mehler Technologies, finishes the material with a double top coat that has a protective and refining effect. That is why VALMEX® MEHATOP F membranes maintain their unique appearance long term, even under extreme climatic conditions.



Schematic sectional drawing of VALMEX® MEHATOP F

MEHATOP F is applied to both sides of the membrane. Because of its special components it is directly weldable and needs no grinding. This ensures welding of exact seams, reduces invasion of fungus and micro-organisms into the membrane and is good surface barrier as sealants against plasticiser migration.

Base fabrics of VALMEX® MEHATOP F is a double threads fabric, commonly described as "Panama" weave. It makes membranes stronger for tension and increases resistance. The material is "prestressed", warp direction has less stretch and weft direction has more stretch than comparable fabrics.

Mehler Technologies runs biaxial tests at the laboratories of the University of Essen. Essen University runs the tests according to a standardized procedure, known as MSAJ/M-02-1995. These results are provided free of charge and gives the engineer workable figures on hand. If the engineer needs results under other testing conditions, Mehler Technologies does arrange tests at the University of Essen and / or at laboratory BLUM.

The average time of membrane structures in use is approx. 10 years. As Mehler Technologies is committed to its customers the Mehler Technologies warranty covers this period.



Todd Street Mall
Alice Springs, Australia
1986 – ongoing
20+ years



Glenorchy Sound Shell
Hobart, Tasmania
1985 – 2005
20 years



Dean Park Sound Shell
Townsville, Queensland, Australia
1980–2005
25 Years



Ivanhoe Girls Grammar
Art House
Melbourne, Australia
1978 – 2004
25+ years



Shell Westgate Service Station
Melbourne, Australia
1988 – ongoing
18+ years



Port Lincoln Leisure Centre
South Australia
1985
25+ years



10,240 sqm
Showgrounds
Redevelopment
Melbourne, Australia
2006

Mehler also trusted for some of the largest structures ever erected in Australia



Yulara
Visitors Centre
Yulara, Australia
1981 – 2005
24 years



20,000 sqm
Expo 88
Brisbane, Australia
1988