

# VALMEX<sup>®</sup> structure

Membrane for textile architecture, roofing, sun protection and tents.

## Tensioned construction

There is a membrane for each specific application for this type of textile construction, such as stadium roofing. High tear strength, special tear propagation resistance and excellent panel welding characteristics are tailored to the high tensile and pressure forces that occur in tensioned construction. The fabric also has the necessary flexibility demanded e.g. by extendable roofs.

## Frame supported constructions

Frame supported construction has a clear advantage if the space is limited or if the halls or tents are only temporary. Plate structure with membrane construction is the solution, particularly in the event sector with its covered markets, exhibition halls or pavilions but also in large construction such as airplane hangars or dry docks.

## Air supported construction

Air supported construction such as inflatable structures are quickly erected, can cover large areas and do not need a supporting structure. Translucent membrane provides for natural lighting. Depending upon the length of the installation, temporary or long-term, the membrane fabric is tailored to the halls' design.

**VALMEX<sup>®</sup> FR MEHATOP F** is multi layered composite membrane material with a special carrier fabric made from low wick yarns. PVDF lacquer developed by Mehler Technologies (MEHATOP F) is used for a double lacquer coating, which lastingly protects the material.

VALMEX <sup>®</sup> FR MEHATOP F 700	Type I	VALMEX <sup>®</sup> FR MEHATOP F 1400	Type IV
VALMEX <sup>®</sup> FR MEHATOP F 900	Type II	VALMEX <sup>®</sup> FR MEHATOP F 1600	Type V
VALMEX <sup>®</sup> FR MEHATOP F 1000	Type III		

## Tent

**VALMEX<sup>®</sup> tent** also has a carrier fabric made from low wick yarns. The special surface lacquer finishes, PVDF or acrylic, provide for high water and UV resistance and protect against fungus and insect infestation. The high tear resistance with relatively light weight particularly favours pavilions that need to be set up and taken down quickly.

**VALMEX<sup>®</sup> tent** is highly flame resistant, easy to weld and easy to clean.

**VALMEX<sup>®</sup> FR 700 stripes** with its coloured strips is particularly suited for pavilions.



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