

TheatrO CentrO, Oberhausen, Germany

The musical theatre is almost completely made of membrane material – a spectacular building of considerable proportions. The head shape of the little cartoon dragon was taken as the basis for the shape and colour scheme: the plastic-coated, highly tear-resistant special type V fabric was specially manufactured in a Pantone shade. The roof structure consists of two huge triangular braced girders (height: 3,5 metres) with a length of approx. 90 metres. Besides the external loads of wind and snow, the supporting structure is also designed for a rating of 6.6 KN/m to hold the stage and lighting systems. The membrane roof consists of an inner and outer membrane with an intermediate insulation layer: accordingly, this not only ensures optimum room conditions but also optimum room conditions but also optimum acoustics.



Project data

Architekt / Architect	RKW Architektur und Städtebau, Oberhausen
Konstruktion / Construction	Ing.-Büro Teschner, Füsing
Statik / Statical Calculation	Ing.-Büro Teschner, Füsing
ÜGF / Covered Area	4.560 m ²
Baujahr / Year of Construction	1999