SCHALKE ARENA - GELSENKIRCHEN (GERMANY)

Voltar para a lista

Gama de aplicação
Arenas

Tipo
Showcase

Multi-functionality is the future: The Schalke Arena, apart from its main use as a soccer stadium with 60,683 seats, can transform into an enormous hall for top events of all kinds in only a few hours. The new home arena of the FC Schalke 04 was finished in August, 2001 and offers a novelty in stadiums: The 118 x 79 meter playing field can be moved out of the stadium on Teflon rails within 30 minutes at the push of a button.
The lower rank of the south grandstand can also be moved by about 16 meters under the upper rank, making room for tennis, boxes, rock concerts, classical performances, musicals or television shows. TROX's task was to optimize the acoustic insulation of the building, since residents adjacent to the arena had complained about noise.

In order to lower the noise level and protect area residents, XKA splitter attenuators were installed with glass fiber fabric and perforated plate. The absorption material has the features of being highly biodegradable, without health risks and being impregnated with anti-decay and anti-humidity agents. This makes our product environmentally friendly on the one hand, and also safe on account of the choice of non-flammable materials according to DIN 4102 A2.
The detail shows that the installation of splitter attenuators in the south curve must use a mobile arrangement to retain the functionality of the grandstand (see Task). Since we can arrange our products flexibly and according to customer needs, the muffling walls were completely transportable.

Thanks to the TROX sound-damping curtains, area residents only hear goals at Shalke Arena over radio or TV. In fact, our XKA-100 lines of silencers lowered the volume by around 10-15 decibels and they integrate inconspicuously into the overall view of the arena. We were successful here, too, thanks to our flexible and customer-oriented products, in providing the best combination of human well-being, economic aspects and safety.