SUCCESS STORY

SOUND INSULATION

Gasometer, Oberhausen, Germany

PROJECT DATA

Brief description

Cisilent® Type E in its surface scaffolding as sound insulation for refurbishment measures on the gasometer.

Requirement

The renovation of the outer facade of the gasometer requires Sound insulation measures with Cisilent® Type E to protect the residents against noise pollution.

City, year

Oberhausen, 2020

PROJECT DESCRIPTION

The gasometer was completed in 1929 and, with interruptions until 1988, served as Europe's largest operated disc-type gas holder. With a diameter of 67.6 m and a height of 117.5 m, the building is an impressive landmark of European industrial monument. In 1993 it was converted into Europe's highest exhibition hall to provide space for cultural events on 3 levels with an area of approx. 7000 m^2. At present the outer facade is being renovated.

SOLUTION

A surface scaffolding was built around the 24-cornered ground plan at full height. The inner scaffolding is accessible for work. An external scaffolding provides the necessary stability and is shielded by a canvas to function a visual and noise covers. Calenberg Cisilent® Type E is used between the inner and outer scaffolding to ensure the protection of the residents despite the noisy work on the steel structure. Approx. 1000 m^2 of Cisilent® Type E are moved along the scaffolding as the work progresses. This is made possible by the low weight per unit area of approx. 5.5 kg/m^2 and the construction site compatible fastening technology using straps. In this way, sound insulation and economical working on the construction site can be effectively combined.

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