

SUCCESS STORY

SOUND INSULATION INDUSTRY

P-D Refractories GmbH Dr. C. Otto, Bochum, Germany

PROJECT DATA

Brief description

Cisilent® Type E in the sliding curtain system version as a sound insulation measure.

Requirement

Noise is generated during the making of moulds, so that the employees must be protected outside this area. In addition, the crane runway, which is approx. 7m high, must remain usable. The structural situation consists of approx. 5.5m wide fields between the individual posts of the crane runway.

City, year

Bochum, 2023

PROJECT DESCRIPTION

Dr. C. Otto has manufactured refractory products since 1872 at its site in Bochum, with a current annual capacity of 45,000 t. Below a crane runway, various machines are used to produce moulds. These generate noise and vibrations during operation, so that the employees outside the working areas must be protected from the disturbing airborne noise. Cisilent® Type E is intended as a first measure to improve the acoustics in the hall and absorb airborne noise, while ensuring the continued use of the crane runway.

SOLUTION

In order to effectively reduce noise, a self-supporting, extra-stable construction of 3 parallel rails per panel was installed for this construction measure. The construction was additionally suspended in the middle as support. The Cisilent® Type E curtain system consists of one element per rail and allows flexible opening of the individual sections.

This project was successfully implemented in cooperation with our partner Kaldeweide, who carried out the installation and provided advice.

