

Acoustic screens made of perforated sheets absorb noise **SCHÄFER Perforated Metal supplies individual components for noise barriers**

Neunkirchen, 15th November 2022. In road and rail construction, the requirements for on-time delivery in the required quantity are just as high as for the quality of execution. The pan-European noise protection specialist supplier MICE Infracoustics from Belgium relies on SCHÄFER Perforated Metal as a supplier for the visible exterior of acoustic screens. The cladding made of perforated aluminium sheet, finished with a powder coating – also available with anti-graffiti treatment on request – combines functional as well as design elements in one component.

Acoustic screens are particularly needed on roads and railways to alleviate the propagation or reflection of unwanted noise. For its noise barriers, MICE Infracoustics uses perforated aluminium panels with a thickness of 1.5 to 2 millimetres, which are perforated in zones. These elements often have to be embossed for design reasons or because of the mechanical requirements for rigidity. After forming, the surface of the element is finished with a powder coating. The ready-to-install elements are up to 6,000 millimetres long and have different widths.

"We need reliable delivery of ready-to-install, individually manufactured perforated metal sheets in large quantities, measured in thousands of square metres, in consistent quality. Consultancy as a service is also important to us. We now have a long-standing, trusting relationship with SCHÄFER Perforated Metal, having successfully completed a number of projects together," explains Pierre Letawe, Project Engineer at MICE Infracoustics in Belgium.

Different versions of acoustic panels are required for each application, whether in existing buildings for noise remediation or in new buildings with strict noise restrictions. Examples of realised projects can be found, for example, in Mechelen (Belgium), with 3,000 square metres of metallic acoustic screens for sound absorption of reflections on the wall, or in Alleur (Belgium) as well as in Dudelange (Luxembourg), to prevent the propagation of road noise in housing estates.

PRESS RELEASE

Images and captions:

Fig. 1: MICE_Bild-1_(c)_Schaefer-Werke-GmbH.jpg

Caption: TU 05 metallic acoustic screens from MICE Infracoustics in Mechelen with aluminium elements from SCHÄFER Perforated Metal.

Fig. 2: MICE_Bild-2_(c)_Schaefer-Werke-GmbH.jpg

Caption: Sound-absorbing TU 05 cladding with aluminium elements for use in access shafts, tunnel interiors and as cladding along railway tracks.

Fig. 3: MICE_Bild-3_(c)_Schaefer-Werke-GmbH.jpg

Caption: AU 06 noise barrier in Dudelange with horizontally overlapping aluminium elements from SCHÄFER Perforated Metal.

Fig. 4: MICE_Bild-4_(c)_Schaefer-Werke-GmbH.jpg

Caption: AU 06 noise barrier in Dudelange with horizontally overlapping aluminium elements from SCHÄFER Perforated Metal.

About SCHÄFER Perforated Metal (www.schaefer-lochbleche.de):

Working with the slogan “Perforated metal made to measure – individual and fast”, SCHÄFER Perforated Metal in Neunkirchen supplies a wide and quickly available range of high-quality perforated metal sheets for all industries and applications. Using high-precision tools, the company can meet virtually any customer requirements regarding material, perforation pattern, dimensions, machining and delivery. SCHÄFER Perforated Metal is a division of the internationally successful SCHÄFER WERKE.

This owner-led SCHÄFER WERKE Group is headquartered in Neunkirchen in Germany’s Siegerland region and operates globally with diversified business areas: EMW Steel Service Centre, perforated sheets, fully recyclable standard and special containers in stainless steel, installations for data centres as well as workshops and factories. The work of all these divisions is based on high-quality fine steel sheet. The processing of this material is one of the core competencies of this enterprise.

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