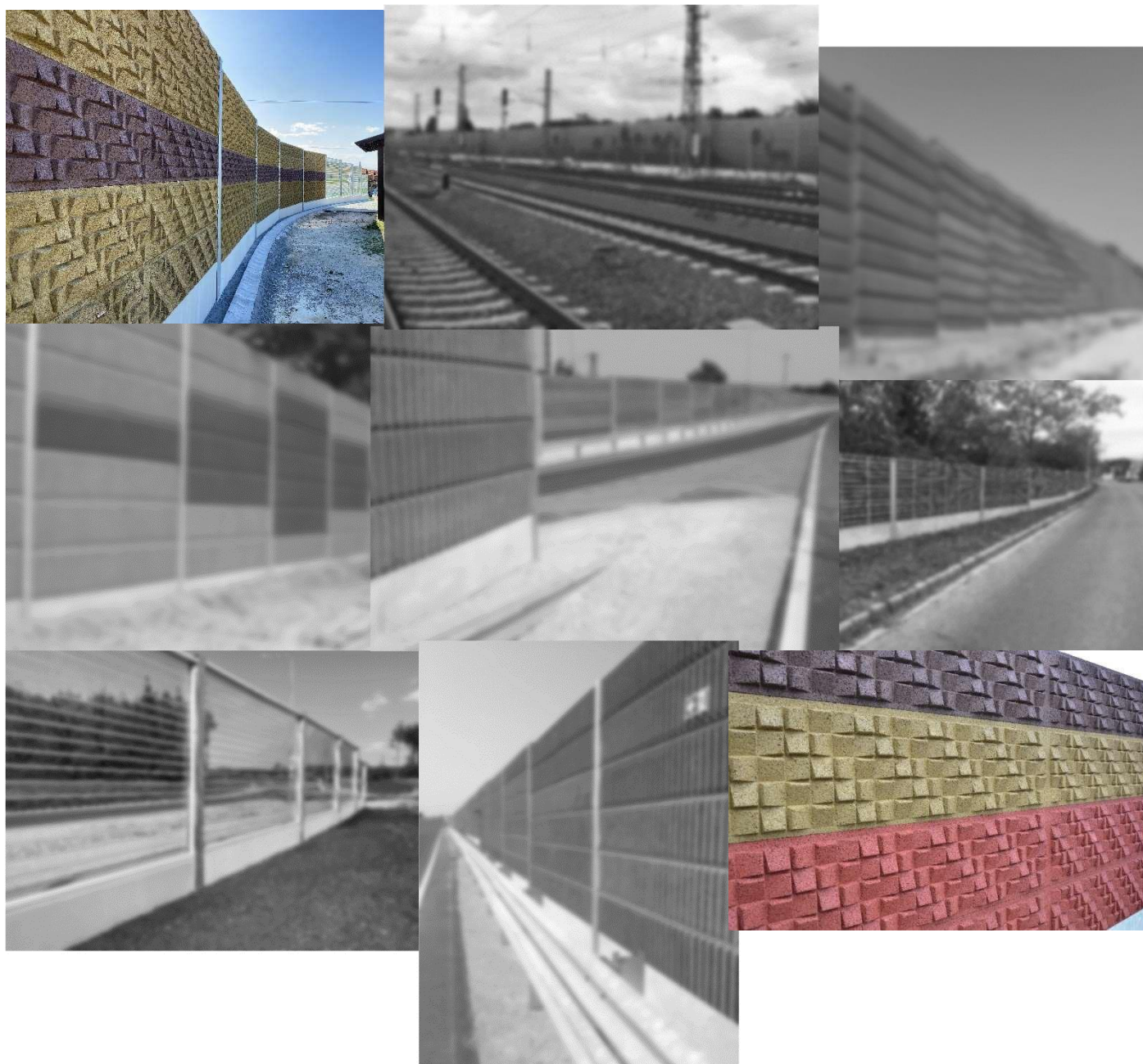


XTR AKUSZTIK PRIZMA NOISE BARRIER SYSTEM



May 2021

ZAJKÖZ Kft.

Serial production of the XTR Akusztik acoustic panels started in 2017. To widen the product range, a new variant of the barrier system with a block-patterned surface design was developed, which was certified in 2020. It is called **XTR Akusztik Prizma**.

The present description of XTR Akusztik Prizma is valid together with the description of the XTR Akusztik type.

XTR Akusztik Prizma noise barrier system

The XTR Akusztik Prizma noise barrier system was examined and as a accredited body certified by ÉMI according to the standard MSZ EN 14388:2016.

Types of the XTR Akusztik Prizma noise barrier system

The XTR Akusztik Prizma system acoustic elements with a prism-patterned surface design are available in three types:

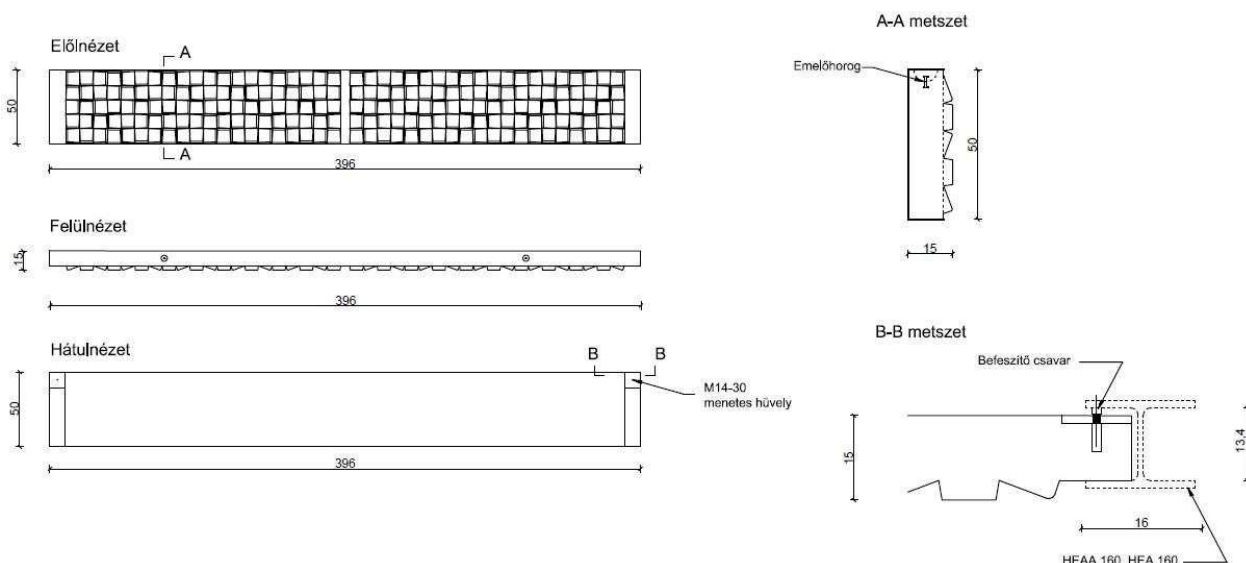
- **XTR Akusztik-S Prizma**
- **XTR Akusztik-F Prizma**
- **XTR Akusztik-2 Prizma**

All types are certified by ÉMI Építésügyi Minőségellenőrző Innovációs Nonprofit Korlátolt Felelősségű Társaság (Non-Profit Limited Liability Company For Quality Control And Innovation In Building) according to the localized European standard (MSZ EN 14388:2016 Road traffic noise reducing devices. Specifications). Furthermore, for railroad applications, the examination of qualifying acoustic properties of noise barriers valid for railroad applications according to MSZ EN 16272-3-1 is also required, which is granted to all panels of the XTR Akusztik system. An escape door placed into the noise barriers by every 300 m is also part of the system. The acoustic compliance characteristics of the XTR Akusztik system's escape door must be equal to the acoustic characteristics of the noise barrier – tested and certified by ÉMI.

XTR Akusztik-S Prizma

One side absorbing noise barrier. Prism-patterned wood-concrete on the side of the noise source, concrete surface with cement smoothing on the back side. Acoustic properties: A4, B4.

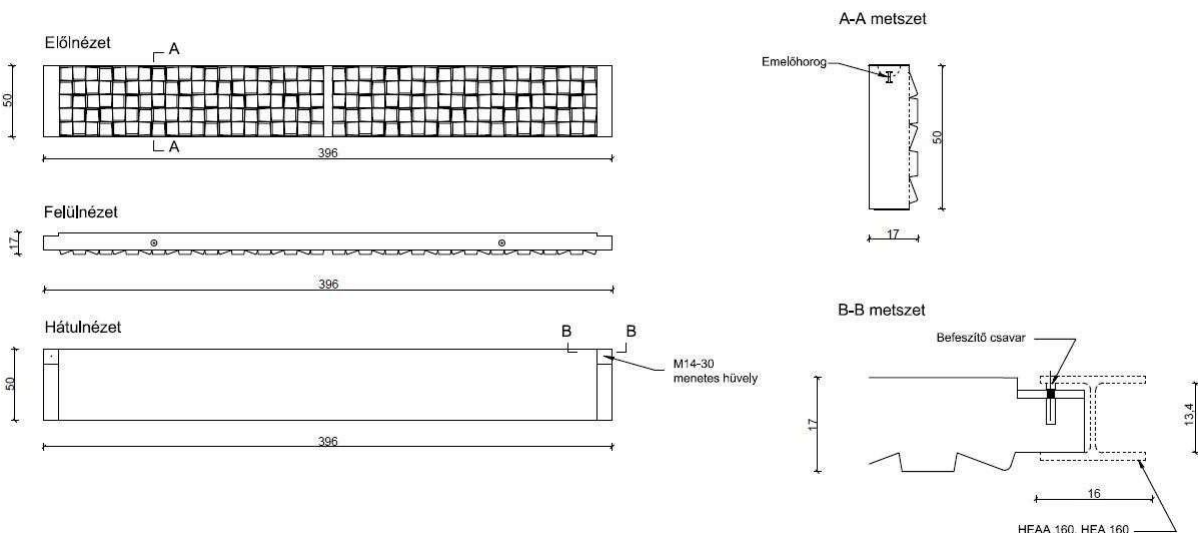
XTR Akusztik - S Prizma



XTR Akusztik-F Prizma

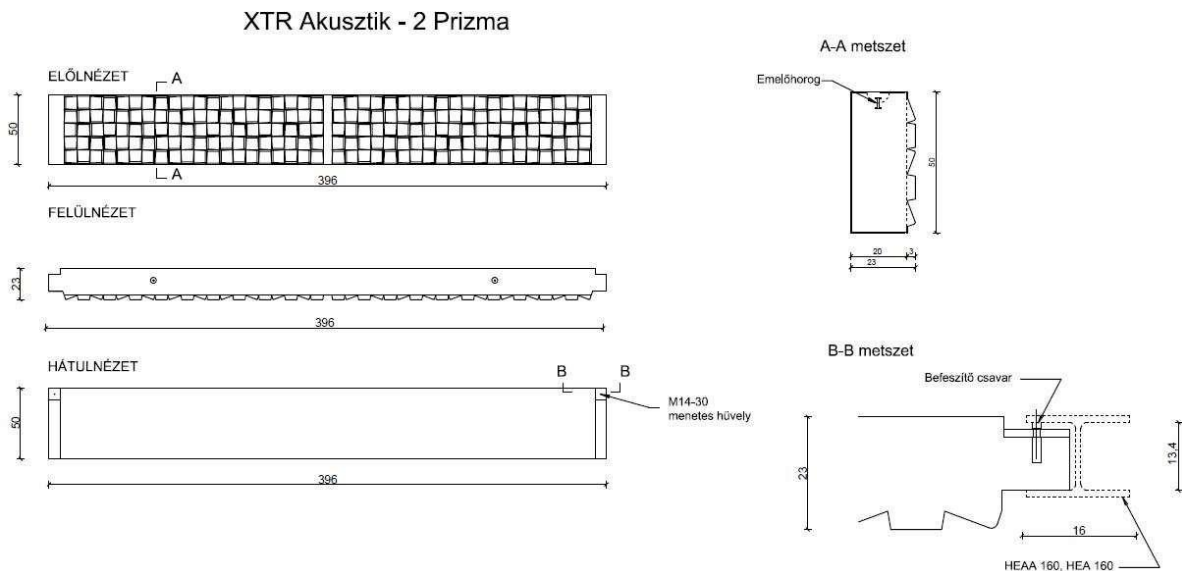
Both sides absorbing noise barrier. Prism-patterned wood-concrete on the side of the main noise source, wood-concrete layer on the back side. Acoustic properties: A4,B4 / A2,B4. This type is recommended to be installed on areas with higher aesthetic requirements even when absorption is needed on one side, placing the prism-patterned surface on the side of the noise source.

XTR Akusztik - F Prizma



XTR Akusztik-2 Prizma

Both sides absorbing noise barrier. Prism-patterned wood-concrete on one side, wood-concrete surface on the other side. Acoustic properties: A4,B4 / A4, B4



Aesthetic factors

The XTR Akusztik Prizma noise barrier systems can be combined with climbing plants and transparent barrier sections.

With color dynamics different variations can be created for the barrier, but this must be performed with special care, as vibration from very detailed pattern can be disturbing.

The different inclinations of the small surface blocks of the XTR Akusztik Prizma barrier system show a different sight as the play of light and shadow created by the changing of the time of day and the entrance angle of sunlight.