

Kaisound Application guide

Unlike the Kaiflex insulating products, the Kaisound soundproofing material is not a chemically cross-linked, closed-cell elastomer, but an open-cell system consisting of elastomer particles held together by physical bonds by means of a polymer-based binder. This is the reason for the reduced mechanical stability of the material.

The material's excellent soundproofing properties are central to what the material was designed for. Open pores are favo-

urable for soundproofing: sound is able penetrate the material, thereby causing it to vibrate, which results in less sound passing through. The higher density compared to the proven Kaiflex insulation systems has a positive effect on its soundproofing properties.

When making use of the Kaisound sheets, taking the following aspects into account can prove to be beneficial:



The Kaisound sheets must be cut with a very sharp knife. In order to be able to perform a straight cut, a metal guide rail should additionally be used when cutting the sheets.



The Kaisound sheets are bonded together with the Kaiflex Special Adhesive 414. In doing so, the special adhesive should be applied evenly across the cut surfaces on both sides. The air-drying time must be strictly adhered to.



Once the adhesive has aired, the cut surfaces should be put together with even pressure being applied.



When mounting the Kaisound sheets on pipes, the adhesive seam tape should additionally be secured by means of the use of Kaiflex tape. Furthermore, at least 3 additional Kaiflex tapes should be applied at right angles to the seam to secure it.

All values are based on results obtained under typical conditions of use. Recipient of these technical specifications are to check with Kaimann in advance if given values are meeting the specifications of intended area of application.

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