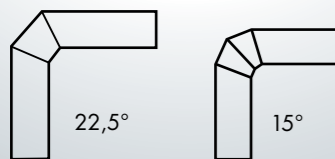
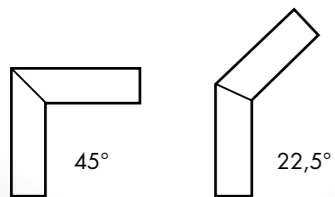
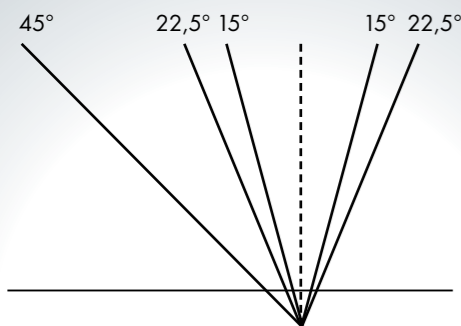


### Cutting angle



### Additional hints

- The initial adhesion may be reduced if the ambient temperature at the time of processing is less than 10°C.
- In this case, special caution must be paid to ensure the necessary pressure to achieve a permanent bond. In some cases increased pressure will be necessary.
- For pipes which carry cold media it is strongly advised to seal the longitudinal seam must be sealed to additional aluminium tape.



### HPS 035 AluR Product Features

- Length: 1.200 mm
- Thermal conductivity (according to EnEV) of 0.035 W/mK at an average temperature of 40°C
- Fire protection class A2 or A2L according to DIN EN 13501-1



### Legal Information

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### About Knauf Insulation Technical Solutions

As part of the international Knauf Group, Knauf Insulation Technical Solutions produces insulating products and systems for industry, shipbuilding and domestic and air conditioning applications. Our aim is to cater for the requirements of our customers with an optimum combination of high quality Mineral Wool products, professional advice, dependable service and an intensive focus on sustainability.

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## Notes

- Before starting installation, ensure that the product surface is dry and free from dust, grease and dirt.
- Beware on pipe section dimensions to be chosen  $OD_{\text{pipe}} \leq \text{bore size}$  of pipe section

## General mounting instructions

To facilitate the opening the HPS 035 AluR pipe section for installation on the pipe work they are provided with a slight slitting (1) on the side opposite to the longitudinal opening. This makes it much easier to push the shell over the pipe which is to be insulated.

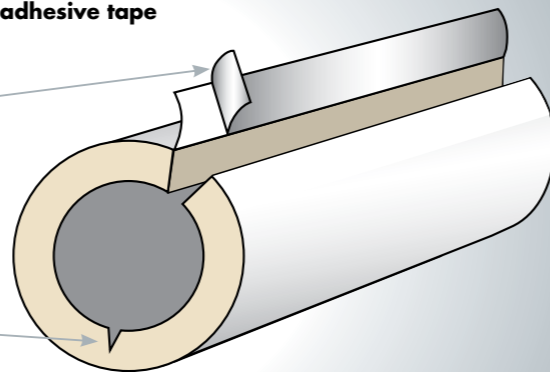
Before the longitudinal seam can be closed with the self-adhesive overlap, the protective strip (2) must be removed. The strip can also be removed in sections. Ensure precise alignment of the halves of the pipe section before the self-adhesive coatings are pressed together. Firm pressure on the self-adhesive coating must be provided over the entire length of the longitudinal seam.

The butt joints at the ends of the pipe sections must be sealed with self-adhesive aluminium tape.

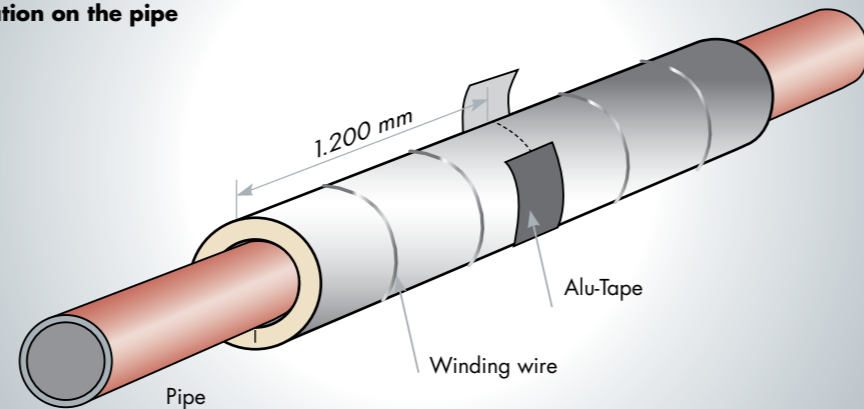
### Pipe section with protection and self-adhesive tape

2) Pull-off protective film on self adhesive tape

1) Slits



### Installation on the pipe

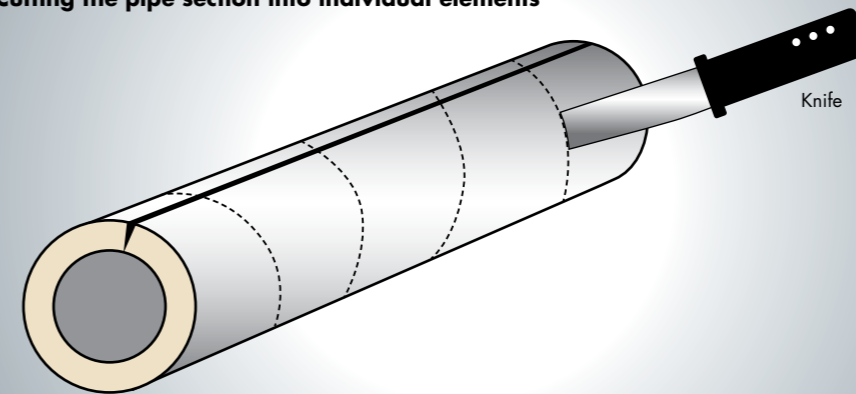


## Cutting angled pieces

Please note the following information for the insulation of curved sections:

- Cut the pipe section according to the angle of the curved section.
- The number of cut sections results from the size of the pipe section and the angle of the curve.
- After insulating the curved section with the cut pipe section elements, they must be stabilised with suitable steel bands or binding wires.
- In order to securely insulate any gaps which may occur, use loose wool for stuffing.
- All butt joints and open areas of Mineral Wool must be sealed with self-adhesive aluminium tape.

### Cutting the pipe section into individual elements



## Remark

Installer associations and industry standards throughout Europe ask for additional securing of installed pipe sections. It is common standard to apply winding wire (galvanized steel;  $\varnothing$  min 1,0 mm) with min. six (spiral) windings per linear meter installed.

For pipe sections with an OD > 200mm it is recommended to secure the materials with steel bands (equidistant at 300mm).

The use of alu-tape can be an additional aid to improve the visual appearance of the installation; however it cannot be considered a satisfactory fixing. In case of multi-layer use of pipe sections any layer shall be secured separately by above described means.