# Mineral Wool Pipe Support Blocks

## Description

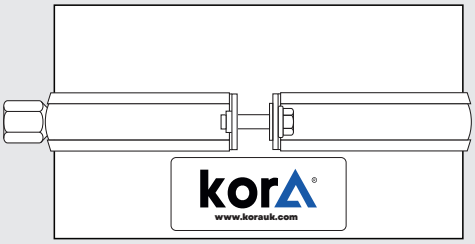
Kora mineral wool pipe support blocks are made from 200kg non-combustible mineral wool. Provide an effective insulation solution, protecting against fire, excessive heat as well as offering acoustic properties. Limit the impact of thermal bridging from pipe suspension systems. Support steel and copper pipes operating at temperatures between 0°C and 650°C.


## Material

200kg/m³ non-combustible mineral wool

## Thickness

20mm / 25mm / 30mm / 40mm
(Other thicknesses available on request)

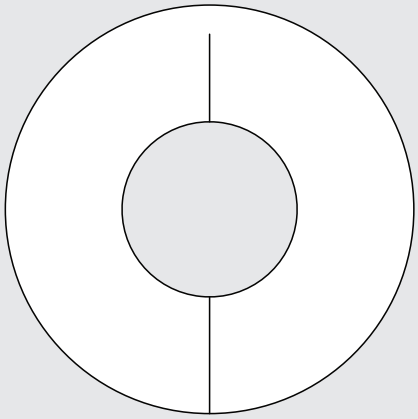


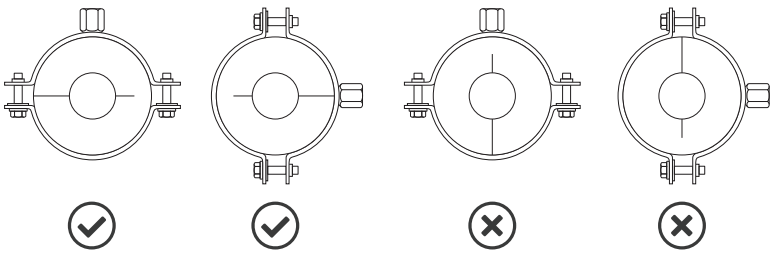

## Foil Covering

Temperature resistance: -5 to +90°C
Burning Class: Class 0 (BS 476)

## Installation

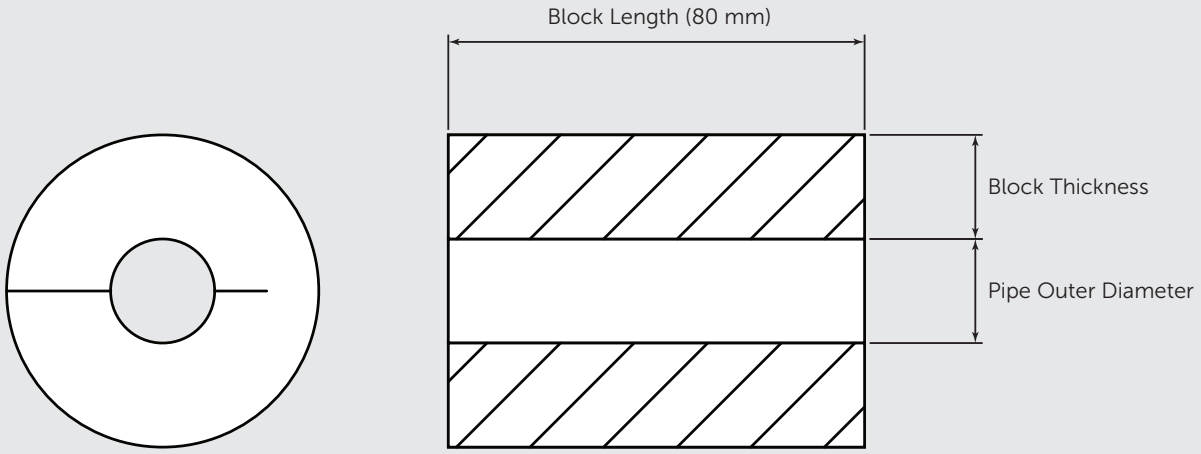
1. Lift the peel-and-seal flap, open the block and move into position around the pipe.
2. Close the block, peel the silicone paper from the flap and stick into position.
3. Ensure block is rotated to correct horizontal position.
4. Install with Kora unlined pipe clamp. (See clamp selector on page 3)





## Specification

| Pipe Size Outer Diameter | Pipe Size Nominal Bore | Thickness 20mm | Thickness 25mm | Thickness 30mm | Thickness 40mm | Block Length |
|---|---|---|---|---|---|---|
| 17mm | 10mm | R581-218B | R581-318B | R581-415B | R581-517B | 80mm |
| 21mm | 15mm | R581-222B | R581-322B | R581-422B | R581-522B | 80mm |
| 27mm | 20mm | R581-228B | R581-328B | R581-428B | R581-527B | 80mm |
| 34mm | 25mm | R581-235B | R581-335B | R581-435B | R581-534B | 80mm |
| 42mm | 32mm | R581-242B | R581-342B | R581-442B | R581-542B | 80mm |
| 48mm | 40mm | R581-248B | R581-348B | R581-448B | R581-548B | 80mm |
| 54mm | - | R581-254B | R581-354B | R581-454B | R581-554B | 80mm |
| 60mm | 50mm | R581-260B | R581-360B | R581-460B | R581-560B | 80mm |
| 67mm | - | R581-267B | R581-367B | R581-467B | R581-567B | 80mm |
| 76mm | 65mm | R581-276B | R581-376B | R581-476B | R581-576B | 80mm |
| 89mm | 80mm | R581- 278B | R581-389B | R581-489B | R581-589B | 80mm |
| 108mm | 90mm | R581- 280B | R581-395B | R581-490B | R581-580B | 80mm |
| 114mm | 100mm | R581- 285B | R581-396B | R581-492B | R581-585B | 80mm |
| 139mm | 125mm | R581- 295B | R581-397B | R581-495B | R581-595B | 80mm |



## Clamp Selector

Find the compatible Kora pipe clamp for your mineral wool block

| Pipe Size Outer Diameter | Pipe Size Nominal Bore | Product Name | Thickness 20mm | Thickness 25mm | Thickness 30mm | Thickness 40mm |
|---|---|---|---|---|---|---|
| 17mm | 10mm | Mineral Wool Block | R581-218B | R581-318B | R581-415B | R581-517B |
| | | Unlined Pipe Clamp | R531-054 | R531-070 | R531-075 | R531-100 |
| 21mm | 15mm | Mineral Wool Block | R581-222B | R581-322B | R581-422B | R581-522B |
| | | Unlined Pipe Clamp | R531-060 | R531-070 | R531-083 | R531-100 |
| 27mm | 20mm | Mineral Wool Block | R581-228B | R581-328B | R581-428B | R581-527B |
| | | Unlined Pipe Clamp | R531-070 | R531-075 | R531-090 | R531-110 |
| 34mm | 25mm | Mineral Wool Block | R581-235B | R581-335B | R581-435B | R581-534B |
| | | Unlined Pipe Clamp | R531-075 | R531-083 | - | R531-115 |
| 42mm | 32mm | Mineral Wool Block | R581-242B | R581-342B | R581-442B | R581-542B |
| | | Unlined Pipe Clamp | R531-083 | R531-090 | R531-100 | R531-125 |
| 48mm | 40mm | Mineral Wool Block | R581-248B | R581-348B | R581-448B | R581-548B |
| | | Unlined Pipe Clamp | R531-090 | R531-100 | R531-110 | R531-133 |
| 54mm | - | Mineral Wool Block | R581-254B | R581-354B | R581-454B | R581-554B |
| | | Unlined Pipe Clamp | - | R531-100 | R531-115 | R531-133 |
| 60mm | 50mm | Mineral Wool Block | R581-260B | R581-360B | R581-460B | R581-560B |
| | | Unlined Pipe Clamp | R531-100 | R531-110 | R531-125 | R531-140 |
| 67mm | - | Mineral Wool Block | R581-267B | R581-367B | R581-467B | R581-567B |
| | | Unlined Pipe Clamp | R531-110 | R531-115 | R531-125 | R531-150 |
| 76mm | 65mm | Mineral Wool Block | R581-276B | R581-376B | R581-476B | R581-576B |
| | | Unlined Pipe Clamp | R531-115 | R531-125 | R531-133 | R531-160 |
| 89mm | 80mm | Mineral Wool Block | R581- 278B | R581-389B | R581-489B | R581-589B |
| | | Unlined Pipe Clamp | R531-133 | R531-140 | R531-150 | R531-168 |
| 108mm | 90mm | Mineral Wool Block | R581- 280B | R581-395B | R581-490B | R581-580B |
| | | Unlined Pipe Clamp | R531-150 | R531-160 | R531-168 | R531-190 |
| 114mm | 100mm | Mineral Wool Block | R581- 285B | R581-396B | R581-492B | R581-585B |
| | | Unlined Pipe Clamp | R531-160 | R531-168 | R531-180 | R531-190 |
| 139mm | 125mm | Mineral Wool Block | R581- 295B | R581-397B | R581-495B | R581-595B |
| | | Unlined Pipe Clamp | R531-180 | R531-190 | R531-200 | - |

## Declared Performances

| Property | Value | According to |
|---|---|---|
| **Dimensional Stability** | | |
| Maximum Service Temperature – Dimensional Stability | 660°C | EN 14303:2009+A1:2013 (EN 14706) |
| **Durability of Fire and Thermal Properties** | | |
| Durability of Reaction to Fire Against Ageing/Degradation | The fire performance of mineral wool does not deteriorate with time. The Euroclass classification of product is related to the organic content, which cannot increase with time. | |
| Durability of Reaction to Fire Against High Temperature | The fire performance of mineral wool does not deteriorate with high temperature. The Euroclass classification of the product is related to the organic content, which remains constant or decreases with high temperature. | |
| Durability of Thermal Resistance Against Ageing/Degradation | Thermal conductivity of mineral wool products does not change with time, experience has shown the fibre structure to be stable and the porosity contains no other gases than atmospheric air. | |
| **Reaction to Fire** | | |
| Reaction to Fire, Euroclass | A1 | EN 14303:2009 (EN 13501-1) |
| **Continuous Glowing Combustion** | | |
| Continuous Glowing Combustion | NPD | EN 14303:2009+A1:2013 |
| **Thermal Resistance** | | |
| Thermal Conductivity in 50 °C | 0,042 W/mK | EN 14303:2009+A1:2013 (EN 12667) |
| Thermal Conductivity in 100 °C | 0,046 W/mK | EN 14303:2009+A1:2013 (EN 12667) |
| Thermal Conductivity in 150 °C | 0,052 W/mK | EN 14303:2009+A1:2013 (EN 12667) |
| Thermal Conductivity in 200 °C | 0,060 W/mK | EN 14303:2009+A1:2013 (EN 12667) |
| Thermal Conductivity in 250 °C | 0,069 W/mK | EN 14303:2009+A1:2013 (EN 14706) |
| Thermal Conductivity in 300 °C | 0,081 W/mK | EN 14303:2009+A1:2013 (EN 12667) |
| Thermal Conductivity in 400 °C | 0,110 W/mK | EN 14303:2009+A1:2013 (EN 12667) |
| Thermal Conductivity in 500 °C | 0,147 W/mK | EN 14303:2009+A1:2013 (EN 12667) |
| Thermal Conductivity in 600 °C | 0,192 W/mK | EN 14303:2009+A1:2013 (EN 12667) |
| Thermal Conductivity in 660 °C | 0,222 W/mK | EN 14303:2009+A1:2013 (EN 12667) |
| Dimensions and Tolerances | T5 | EN 14303:2009+A1:2013 |
| **Water Permeability** | | |
| Water Absorption, Short Term WS, Wp | < 1 kg/m$^2$ | EN 14303:2009+A1:2013 (EN 1609) |
| **Water Vapour Permeability** | | |
| Water Vapour Diffusion Resistance | NPD | EN14303:2009+A1:2013 (EN12086) |
| **Acoustic Absorption Index** | | |
| Sound Absorption | NPD | EN14303:2009+A1:2013 (ENISO354) |
| **Compressive Strength** | | |
| Compressive stress at 10 %deformation CS(10) | NPD | EN14303:2009+A1:2013 (EN826) |
| **Trace Quantities of Water-Soluble Ions and the pH Value** | | |
| Chloride Ions, Cl- | < 10 ppm | EN 14303:2009+A1:2013 (EN 13468) |
| **Release of Dangerous Substances to the Indoor Environment** | | |
| Release of Dangerous Substances | NPD | EN14303:2009+A1:2013 |