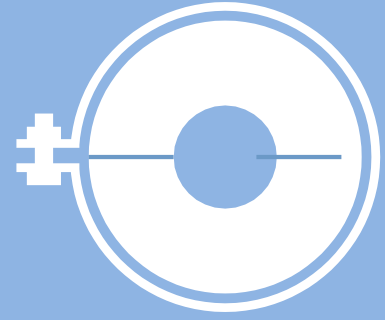
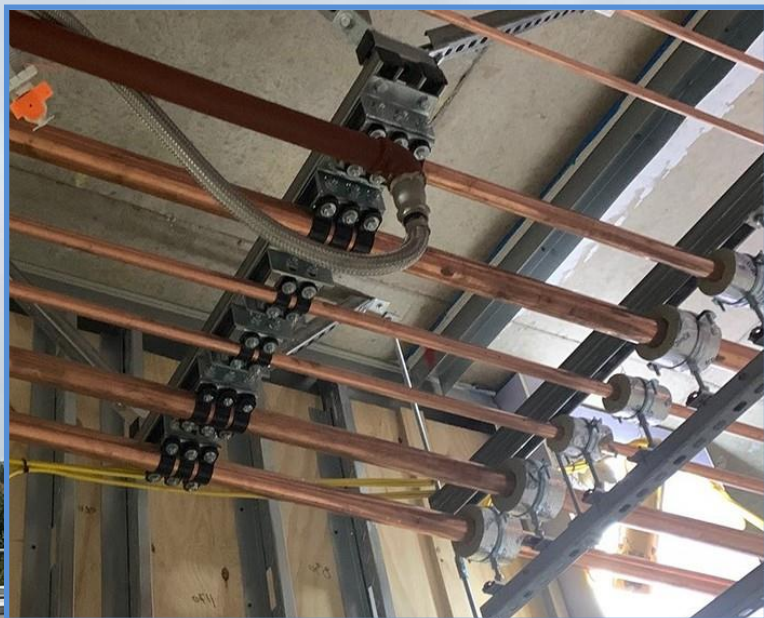


# STONEWOOL PIPE SUPPORTS PS 200



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## STONEWOOL PIPE SUPPORTS PS200

The energy efficiency of pipework working at temperatures between 0°C and 650°C is maintained by the use of Stonewool Pipe Supports, which have been engineered to limit the impact of thermal bridging from pipe suspension systems.

When paired with Stonewool H&V Pipe Sections, Stonewool Pipe Supports, which are made of non-combustible 200kg Stone wool, therefore provide effective insulation solution with advantages against fire, excessive heat, and acoustic.

## STONEWOOL PIPE SUPPORTS PS 200

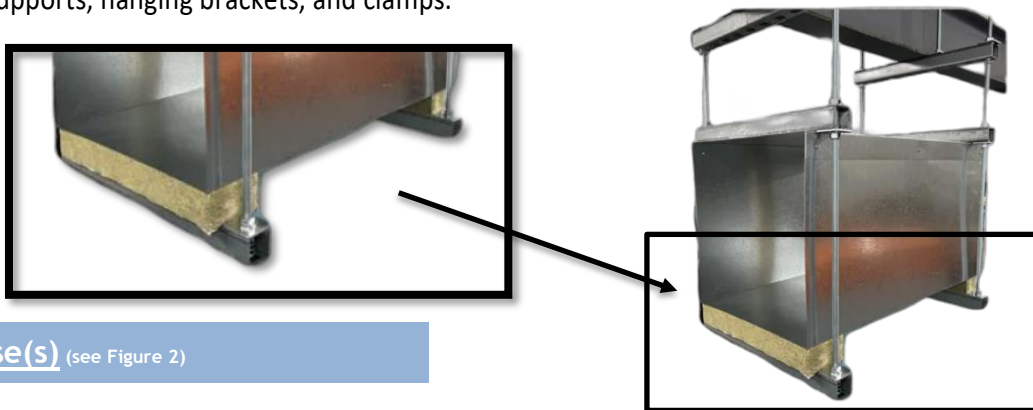


### Description (see Figure 1)

Stonewool Pipe Supports are pre-formed components consisting of 200 kg of stone wool. Stonewool Pipe Supports possess a foil surface and are pre-cut. Once the pipe size exceeds 76 mm, we advise using a Half/Full Galv sleeve for fitting to steel pipe work.

### Applications

Stonewool Pipe Supports can support steel and copper pipes that are operating at temperatures between 0°C and 650°C. Stonewool Pipe Supports have good load carrying capacity as well as point load resistance and are intended to be utilized in pipe supports, hanging brackets, and clamps.



### Alternative Use(s) (see Figure 2)

The source material used to make our PS200 Pipe Supports can also be used for internal / External Duct Supports. PS200 Slab is suitable for all new construction and in the residential, commercial, light industrial HVAC / Building Services.

PS200 Load Bearing Insulation inserts can be supplied 1200mm x 40mm, 50mm, 80mm & 100mm thick x 50mm or 100mm width – BCO covered on one side.

PS200 Slab, when properly taped and sealed will create a continuous and sealed vapour barrier.

Product Information:

Property		Description/Value
Outside Diameter Range	15mm – 610mm	
Wall Thickness	20mm – 100mm	
Length	80mm – 100mm Standard (longer for specific site requirements)	
Reaction to Fire	Non-Combustible Stone Wool	
Nominal Density	200kg/m <sup>3</sup>	
Pipe Support Length	O.D. Range (mm)	Thickness Range (mm)
80mm	15mm – 135mm	20mm – 80mm
	140mm – 160mm	25mm – 60mm
100mm	89mm – 135mm	100mm
	140mm – 160mm	70mm – 100mm
	169mm – 210mm	25mm – 100mm

Foil Covering Information:

Property	Value	According To
Tensile Strength Machine Dir.	4000 N/m	DIN EN ISO 1924
Cross Dir.	4000 N/m	-
Burst Strength	200 KPa	DIN EN ISO 2758
Temperature Resistance	-5 ... +90°C	-
Corrosion 60C/95% R.H./24h	0	-
Water Vapour Permeability g/m <sup>2</sup> /24h	0.05	DIN EN ISO 12572
Infrared Reflectivity	85%	-
Burning Class	Class 0	BS 476

**Installation**

Stonewool Pipe Supports can accommodate a broad range of pipe sizes and are easy to install. Pre-cut Stonewool Pipe Supports are included. Just position the support around the pipe and slide into the pipe support clip placement, important to make sure the support is situated in the middle.

After the pipe support and pipe insulation are in place, make sure the seams between them are properly sealed with an appropriate self-adhesive aluminum foil tape to provide an uninterrupted vapour layer.

Stonewool H&V Pipe Sections shouldn't need any additional maintenance costs after installation.



## DECLARATION OF PERFORMANCE

No. 40173

Unique identification code of the product-type	PAROC Pro Slab
Intended use/es	Thermal insulation for building equipment and industry
Manufacturer	Paroc Group, Energiakuja 3, FI-00180 Helsinki
System/s of AVCP	AVCP 1 for Reaction to fire, AVCP 3 for other properties
Harmonised standard	EN 14303:2009+A1:2013
Notified body/ies	No. 0809 – Eurofins Expert Services Ltd

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:  
Helsinki 28.9.2020.

Paroc Group Oy, Technical Insulation  
Saku Lipasti, Product Data and Project Manager

### Declared Performance/s

PROPERTY	VALUE	ACCORDING TO
<b>DIMENSIONAL STABILITY</b>		
Maximum Service Temperature - Dimensional Stability	660 °C	EN 14303:2009+A1:2013 (EN 14706)
<b>DURABILITY OF FIRE AND THERMAL PROPERTIES</b>		
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.	



Declared Performance/s

PROPERTY	VALUE	ACCORDING TO
<b>REACTION TO FIRE</b>		
Reaction to Fire, Euroclass	A1	EN 14303:2009 (EN 13501-1)
<b>CONTINUOUS GLOWING COMBUSTION</b>		
Continuous Glowing Combustion	NPD	EN14303:2009+A1:2013
<b>THERMAL RESISTANCE</b>		
Thermal Conductivity in 50 °C, $\lambda_{50}$	0,042 W/mK	EN 14303:2009+A1:2013 (EN 12667)
Thermal Conductivity in 100 °C, $\lambda_{100}$	0,046 W/mK	EN 14303:2009+A1:2013 (EN 12667)
Thermal Conductivity in 150 °C, $\lambda_{150}$	0,052 W/mK	EN 14303:2009+A1:2013 (EN 12667)
Thermal Conductivity in 200 °C, $\lambda_{200}$	0,060 W/mK	EN 14303:2009+A1:2013 (EN 12667)
Thermal Conductivity in 250 °C, $\lambda_{250}$	0,069 W/mK	EN 14303:2009+A1:2013 (EN 12667)
Thermal Conductivity in 300 °C, $\lambda_{300}$	0,081 W/mK	EN 14303:2009+A1:2013 (EN 12667)
Thermal Conductivity in 400 °C, $\lambda_{400}$	0,110 W/mK	EN 14303:2009+A1:2013 (EN 12667)
Thermal Conductivity in 500 °C, $\lambda_{500}$	0,147 W/mK	EN 14303:2009+A1:2013 (EN 12667)
Thermal Conductivity in 600 °C, $\lambda_{600}$	0,192 W/mK	EN 14303:2009+A1:2013 (EN 12667)
Thermal Conductivity in 660 °C, $\lambda_{660}$	0,222 W/mK	EN 14303:2009+A1:2013 (EN 12667)
Dimensions and Tolerances	T5	EN 14303:2009+A1:2013
<b>WATER PERMEABILITY</b>		
Water Absorption, Short Term WS, $W_p$	< 1 kg/m <sup>2</sup>	EN 14303:2009+A1:2013 (EN 1609)
<b>WATER VAPOUR PERMEABILITY</b>		
Water Vapour Diffusion Resistance	NPD	EN14303:2009+A1:2013 (EN12086)
<b>ACOUSTIC ABSORPTION INDEX</b>		
Sound Absorption	NPD	EN14303:2009+A1:2013 (ENISO354)
<b>COMPRESSIVE STRENGTH</b>		
Compressive stress at 10 %deformation CS(10), $\sigma_{10}$	NPD	EN14303:2009+A1:2013 (EN826)
<b>TRACE QUANTITIES OF WATER-SOLUBLE IONS AND THE PH VALUE</b>		
Chloride Ions, Cl-	< 10 ppm	EN 14303:2009+A1:2013 (EN 13468)
<b>RELEASE OF DANGEROUS SUBSTANCES TO THE INDOOR ENVIRONMENT</b>		
Release of Dangerous Substances	NPD	EN14303:2009+A1:2013