

## TECHNICAL DATA SHEET

### PRODUCT DESCRIPTION

Concentric stone wool pipe shell, one side opened and laminated with tear-resistant pure aluminium foil. The stone wool pipe sections are produced in AS quality according to AGI Q 132, therefore they are hydrophobic, odourless, free of silicone and resistant to mould affection. For easier mounting an overlap with adhesive tape is included. Melting point of the stone wool is  $\geq 1000$  °C.



### APPLICATION

ASTRATHERM® stone wool pipe shells AL-coated satisfy all important criteria for insulation of central heating pipelines and service warm water pipes. ASTRATHERM® stone wool pipe shells and segments are also available with slot and key connection or groove - spring connection.

### INSTALLATION INSTRUCTION

- The underground has to be clean, dry and free from grease
- The self-adhesive overlap must always face downward
- Pat down the overlap to fix the double-side adhesive tape
- According to our processing guidelines the pipe sections have to be fixed with at least 6 windings of binding wire per running meter.

### TECHNICAL DATA

ASTRATHERM® Stone wool pipe shell							
Building inspectorate approval (Germany)	Z-56.241-1000						
CE Certification	0432-CPD-420002343			EN 14303			
Key code	MW-EN 14303-T8-ST(+)250-WS1-CL14,0-pH10,0						
Fire class	A2			DIN 4102-1			
	A2 <sub>L</sub> s1-d0			EN 13501-1			
Application temperature	250°C stone wool sided, max. 80°C foil sided						
Density	80	[kg/m <sup>3</sup> ]					
Length	1	[m]					
Inner Diameter (Pipe Ø)	≥ 15	[mm]					
Insulation Thickness	≥ 20	[mm]					
Hydrophobicity	hydrophobic according to AGI Q 132						
AS Quality	according to AGI Q 132						
Thermal conductivity $\lambda$	$\lambda_{20^\circ\text{C}}$	$\lambda_{40^\circ\text{C}}$	$\lambda_{60^\circ\text{C}}$	$\lambda_{80^\circ\text{C}}$	$\lambda_{100^\circ\text{C}}$	$\lambda_{150^\circ\text{C}}$	[W/m·K]
	0,035	0,037	0,040	0,043	0,047	0,057	
The product is free of silicone and free from HCFCs, CFCs and SF6							

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