

## TECHNICAL DATA SHEET

### PRODUCT DESCRIPTION

Concentric stone wool pipe shell, on 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, thus they are hydrophobic, odourless 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
- The pipe sections have to be fixed with at least 6 windings of binding wire per running meter
- The mounting must be done very tight in order to prevent high temperature on the surface

### TECHNICAL DATA

ASTRATHERM® Smoke pipe insulation shells							
CE certification number	0432-CPD-420002343			EN 14303			
Description key	MW-EN 14303-T8-ST(+)-250-WS1-CL14,0-pH10,0						
Fire behaviour	A2			DIN 4102-1			
	A2 <sub>L</sub> s1-d0			EN 13501-1			
Application temperature	660	[°C]					
Density	80	[kg/m <sup>3</sup> ]					
Length	1	[m]					
Inner diameter (pipe $\varnothing$ )	$\geq 80$	[mm]					
Insulation thickness	$\geq 35$	[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/mK]
	0,035	0,037	0,040	0,043	0,047	0,057	
Free from HCFCs, CFCs and SF6							

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