

Bio-soluble products

## SILCAWOOL AST

**SILCAWOOL AST** are fittings for chimneys consisting of the biosoluble SICLAWOOL fibre. Due to their special shaping the fittings adapt excellently to the inner tube of the chimney. The enlarged opening on the side of the furnace enables the introduction of a double wall lining. **SILCAWOOL AST** can be processed with a cutter knife.



Material designation	Method	Unit	
Classification temperature		°C	1.100
Upper application limit temperature (max.)		°C	950
Bulk density		kg/m <sup>3</sup>	350
Colour			Beige
Shrinkage after 24 h at	1.000 °C	%	1,5
	1.100 °C		< 3,0
Specific thermal capacity	20 - 1000 °C	kJ/(kg K)	1,04
Thermal conductivity $\lambda$ at $t_m$	400 °C	W/(m K)	0,20
	600 °C		0,25
	800 °C		0,29
	1000 °C		0,32
Chemical reference analysis	Al <sub>2</sub> O <sub>3</sub>	%	10*
	SiO <sub>2</sub>		61
	Fe <sub>2</sub> O <sub>3</sub>		< 0,5
	CaO		25
	MgO		3
Dimensions of the flue tube connection	for Ø 150 mm	mm	100 x Øi160 x Øa200
	for Ø 160 mm		100 x Øi170 x Øa210
	for Ø 180 mm		100 x Øi190 x Øa230
	for Ø 200 mm		100 x Øi210 x Øa250

\*This content of aluminium oxide is only contained in the binding agent and the fillers, thus not in the SILCAWOOL wools.

The properties indicated are typical values obtained in serial testing and determined by acknowledged test methods. Product specific spreading of results should be taken into account. The indications do not represent guaranteed properties and cannot be used for any warranty claim. Subject to technical modifications.

### SILCA Service- und Vertriebsgesellschaft für Dämmstoffe mbH

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