



## **MATERIAL VERIFICATION/DATA SHEET** **STENCA HT PIPE**

### **Facing:**

The Stenca HT Pipe-sections comes with a fire resistant factory applied ceramic-cloth.

The insulation material is composed of calcium silicate type Skamol SuperPro 300, and the ceramic-cloth is a glass fiber mat type SCF/6 fitted to the insulation.

### **Density:**

Skamol SuperPro 300 has a density of 300 kg/m<sup>3</sup>

Ceramic-cloth is silicone coated with a density of 600 kg/m<sup>3</sup>

The total thickness is approx. 44 mm with a density of 335 kg/m<sup>3</sup>

### **Assembling:**

The Stenca HT Pipe has tong & groove to ensure an easy installation of the pipe sections. To seal the sections the sealant Stenca Fire Seal is used which is a specially developed seal/adhesive.

### **Acoustics:**

The Stenca HT Pipe can improve the level of environmental sound considerably. If a higher standard of acoustic insulation is necessary – please see the Acoustic section.

### **Handling and storage:**

Stenca HT Pipes are easy to cut to any shape with an ordinary saw.

Stenca HT Pipes are waterproof. After installation of the pipe sections they are wiped off with a moist cloth. Stenca HT Pipe can handle pressure and has a non-slip surface. Thus, employees standing up on the insulated pipe will not reduce or damage the insulation.

When applying Stenca HT Pipe insulation to your pipe system, you should note that you can yourself change the angles with a conventional saw.

### **Maintenance:**

Once the Stenca HT Pipes have been installed they do not need maintenance.

### **Health and safety:**

A safety data sheet is available and can be replied by all of Stenca Trading departments.

### **Dimensions:**

Additional pipe dimensions can be carried out according to order – see Technical data.

Foam bends are divided into 2 sections.

### **Elbows:**

As standard the Stenca HT Pipe system comes with 90 degree elbows. However, we can provide you with different angles according to your request.

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## MATERIAL TECHNICAL DATA STENCA HT PIPE

Pre-formed Stenca HT Pipe with ceramic-cloth facing:

Pipe sections dimensions	Inside dimensions (D)	Outside dimensions (A)	*Heat-resistance maximum	Insulation thickness	Section Length (L)
½"	16,0 mm	96,0 mm	950 °C	40 mm	600 mm
¾"	28,9 mm	108,9 mm	950 °C	40 mm	600 mm
1"	35,7 mm	115,7 mm	950 °C	40 mm	600 mm
1 ½"	50,3 mm	130,3 mm	950 °C	40 mm	600 mm
2"	62,3 mm	142,3 mm	950 °C	40 mm	600 mm
3"	90,9 mm	170,9 mm	950 °C	40 mm	600 mm
4"	116,3 mm	196,3 mm	950 °C	40 mm	600 mm
6"	170,3 mm	250,3 mm	950 °C	40 mm	600 mm
8"	223,1 mm	303,1 mm	950 °C	40 mm	600 mm
10"	277,0 mm	357,0 mm	950 °C	40 mm	600 mm
12"	325,9 mm	405,9 mm	950 °C	40 mm	600 mm
16"	410,4 mm	490,4 mm	950 °C	40 mm	600 mm
18"	461,2 mm	541,2 mm	950 °C	40 mm	600 mm
20"	512,0 mm	592,0 mm	950 °C	40 mm	600 mm
24"	613,6 mm	693,6 mm	950 °C	40 mm	600 mm

\* The heat-resistance temperature can periodically go up to 1100 °C without problems.

Other dimensions can be delivered after special request.

### Surface temperatures at different thermal situations

Temperature	100°C		200°C		300°C		400°C		500°C		600°C		700°C	
	HF	SF	HF	SF	HF	SF	HF	SF	HF	SF	HF	SF	HF	SF
SuperPro 300	W/m <sup>2</sup>	°C	W/m <sup>2</sup>	°C	W/m <sup>2</sup>	°C	W/m <sup>2</sup>	°C	W/m <sup>2</sup>	°C	W/m <sup>2</sup>	°C	W/m <sup>2</sup>	°C
30 mm	131	34,5	320	51,1	533	67,4	771	83,6	1034	99,5	1321	115,3	1634	131,0
35 mm	115	32,9	280	47,8	465	62,5	672	77,1	900	91,6	1150	106,1	1420	120,5
40 mm	102	31,7	248	45,2	413	58,5	596	71,9	798	85,3	1018	98,6	1256	111,9
45 mm	92	30,6	224	43,0	372	55,3	536	67,6	716	80,0	913	92,4	1126	104,8
50 mm	84	29,8	203	41,2	338	52,6	486	64,1	650	75,6	828	87,2	1021	98,8
55 mm	77	29,1	187	39,7	309	50,3	416	61,0	590	71,8	758	82,8	934	93,6
60 mm	71	28,4	172	38,4	286	48,3	411	58,4	549	68,6	699	78,8	861	89,2

### NOTE:

#### Fire Class J60

The Stenca HT Pipe with a thickness of 60 mm cover with steel can be delivered for fire classification J-60. Test report is available on request.

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