



WE ARE FULL OF ENERGY

*optimal solutions*



# STENCA HT PIPE

Quality Insulation made of calcium silicate

COLD HEAT FIRE INSULATION  
ACOUSTICS PROJECTING  
ACCOMMODATION ADVISING

[www.stenca.com](http://www.stenca.com)











## GRADE OF CORE MATERIAL OF STENCA HT PIPE PROMASIL 1000

<b>Maximum service temperature</b>		1000 °C
<b>Bulk density, dry</b>		245 m <sup>3</sup>
<b>Compressive strength</b>	(EN 1094-5: 1955)	1,3 MPa
<b>Modulus of rupture</b>	(EN 993-6: 1955)	0,6 MPa
<b>Coefficient of reversible thermal expansion</b>	(BS 1902: section 5.3: 1990) @ 20 °C-750 °C (68 °F-138 °F)	5.5x10 <sup>-6</sup> m/(mK)
<b>Coefficient of hygric expansion</b>	(DTI report) @ 23 °C 50% RH to 23 °C 10% RH	4.0x10 <sup>-3</sup> mm/(m% r H)
<b>Coefficient of hygric contraction</b>	(DTI report) @ 23 °C 50% RH to 23 °C 100% RH	0 mm/(m% r H)
<b>Sound reduction index</b>		Thickness 19 mm 26 dB Thickness 38 mm 29 dB Thickness 60 mm 31 dB
<b>Thermal conductivity</b>	(ASTMC-182)	Mean temp. 20 °C 0,04 W/(mxK) Mean temp. 200 °C 0,07 W/(mxK) Mean temp. 400 °C 0,10 W/(mxK) Mean temp. 600 °C 0,14 W/(mxK) Mean temp. 800 °C 0,17 W/(mxK)
<b>Chemical analysis, typical</b>	Silica Calcium oxide Loss on ignition 1025 °C (1877 °F)	47% SiO <sub>2</sub> 45% CaO 6% LOI
<b>Water content</b>		2,5%
<b>Colour</b>		White
<b>Non combustibel</b>		Yes

Material safety data sheet, certification, test and reports are available on request.

Certified by Det Norske Veritas (DNV) and approved according to NOR SOK.



C O L D   H E A T   F I R E  
I N S U L A T I O N  
A C O U S T I C S   P R O J E C T I N G  
A C C O M M O D A T I O N  
A D V I S I N G

D E N M A R K

Stenca Trading A/S  
Svendborgvej 15  
9220 Aalborg  
Mail [info@stenca.dk](mailto:info@stenca.dk)  
Tel. +45 9632 4810

N O R W A Y

Stenca Trading AS  
Forusbeen 80  
4033 Stavanger  
Mail [office@stenca.no](mailto:office@stenca.no)  
Tel. +47 917 77 438

Rev. August 2015

[www.stenca.com](http://www.stenca.com)