



WE ARE FULL OF ENERGY

optimal solutions



STENCA HT PIPE

Quality Insulation made of calcium silicate

COLD HEAT FIRE INSULATION
ACOUSTICS PROJECTING
ACCOMMODATION ADVISING

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GRADE OF CORE MATERIAL OF STENCA HT PIPE PROMASIL 1000

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

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