

Cement Engineering Board

TENMAT H91 has been specially developed to provide outstanding service in demanding thermal applications, where a quality, high strength, machineable engineering board is required.

TENMAT H91 exhibits excellent strength even at high temperatures reaching up to 700°C. This, alongside it being asbestos-free, has underlined H91's position as the leading engineering cement available.

TENMAT h91 is available in sheets of approx. dimensions 1245 x 940 mm with thickness between 6 and 75 mm. Alternatively, **TENMAT** H91 machined components are available on request.



PROPERTY	UNITS	H91
Density	g / cm ³	1.6
Compressive Strength	MPa @ ambient 24 hours @ 350 °C 24 hours @ 500 °C 24 hours @ 700 °C	90 38 31 29
Flexural Strength	MPa @ ambient 24 hours @ 350 °C 24 hours @ 500 °C 24 hours @ 700 °C	30 16 13 13
Impact Strength	Kj/mm @ ambient 24 hours @ 350 °C 24 hours @ 500 °C 24 hours @ 700 °C	4 2.4 2.4 2.4
Linear Shrinkage	% @ 350 °C	0.36
Water Absorption	% in 24 hours @ 23 °C	15
Electric Strength @ 90 °C	KV/mm in air	2.1
Surface Breakdown @ 90 °C	KV in air	15
Maximum Continuous Operating Temperature	°C	700

The information contained in this data sheet is presented in good faith. They are typical test results tested generally in accordance with BS 2782 and ASTM test methods and should not be used for specifications. **TENMAT** does not warrant the conformity of its materials to the listed properties or their suitability for any particular purpose. For further information please contact our Technical Sales Department on +44 161 872 2181.