



Ceramic Wet Felt

Ceramic Wet Felt is a damp, insulating material based on inorganic vacuum formed product formulations. It is commonly used as a form-fitting material and is ideal for applications that have complex surface geometry or unclear dimensions. Ceramic Wet Felt is a water-based product that can be easily hand-moulded into place and air dried. Strict production protocols ensure that the material is provided at the optimum strength with precise moisture content. The blend of engineered long and short fibres ensure the optimum flexibility and strength of the material during installation. Ceramic Wet Felt is available in two grades, the 2300-W is rated to 1260°C and the 2600-W to 1426°C continuous.

Technical Data:

Properties:	2300 - W	2600 - W
Colour	White	White
Chemical Analysis:		
Alumina	32%	35%
Silica	68%	65%
Temperature (continuous)	1260°C	1426°C
Temperature (melting point)	1760°C	1760°C
Density	272 kg/m ³	272 kg/m ³
MOR	0.39 MPa	0.50 MPa
Recommended Gas Velocity (maximum)	61 m/sec	61 m/sec
Specific Heat	1130 J/kg•K	1130 J/kg•K
Compressive Strength:		
at 5% Compression	0.05 MPa	0.13 MPa
at 10% Compression	0.06 MPa	0.17 MPa
Permanent Linear Change:		
at 816°C	0.3%	---
at 982°C	1.9%	0.3%
at 1093°C	2.7%	0.8%
at 1204°C	3.4%	1.2%
at 1316°C	---	1.6%
at 1426°C	---	1.6%
Thermal Conductivity:		
at 260°C	0.07 w/m•K	0.06 w/m•K
at 538°C	0.10 w/m•K	0.10 w/m•K
at 819°C	0.15 w/m•K	0.14 w/m•K
at 1093°C	0.22 w/m•K	0.21 w/m•K

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Phone: 1300 098 060

Important

This information should not be treated as a substitute for specific technical advice. AG does not offer such advice and cannot warrant the performance or suitability of products for particular applications.



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Applications:

- Insulating valves and pipework
- Lining hot Tuyeres in blast furnaces
- Insulating ducting and transitions
- Wrapping exhaust manifolds

Features and Benefits:

- No tooling or dryers to conform to size requirements
- Random fibre orientation and a tightly knit structure
- 24 - 48 hours drying time and non self-sticking
- Can be joined by air-set mortar
- Maintains wet shape and characteristics of pre-fired material after drying
- Colloidal silica is disbursed uniformly throughout the entire piece and does not drain out

Availability:

Ceramic Wet Felt is available in 3.2, 6.4, 12.7 and 25.4mm thicknesses and a sheet size of 915 x 610mm. Custom sizes may be available on request. AG also have the facilities to cut the material to suit your requirements.

Associated Gaskets stock a large range of rigid and flexible insulation materials, as well as specialised electrical and sealing products. For more information on these products and many more, please visit our website or call your nearest AG branch.

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