Ultra 1260°C Ceramic Fibre Blanket

Product Description

Ultra 1260°C Ceramic Fibre blanket presents unparrelled refractories and thermal insulation due to its long spun fibre needling technique. These Blankets offer superior insulating performance, flexibility and resilience. Ultra 1260°C Ceramic Fibre blanket products are unaffected by most chemicals (except hydrofluoric & phosphoric acids and concentrated alkali). Thermal and physical properties are retained after drying following wetting of oil, steam or water. Ultra 1260°C Ceramic Fibre blanket are completely inorganic, so there are no fumes when heating for the first time.

Typical Applications

- Annealing furnaces
- Furnace door linings and seals
- Soaking pit covers and seals
- Furnace hot face repairs
- Reheating furnace and ladle covers

Features

- High tensile strength and low shrinkage
- Good resiliency with low heat storage
- Low thermal conductivity
- Thermal shock resistance
- Good sound absorption

Format / Dimensions

- Rolls / Cut Pieces / Gaskets
- L x W x T: Various

Technical Data

		%	
Chemical Analysis	Al_2O_3	≥44	
	SiO_2	≥52	
	$Fe_2O_3 + TiO_2$	≤1.0	
	ZrO_2	-	
	$K_2O + Na_2O$	≤1.0	
Density	**Kg/m³**	**96**	**128**
Classification Temperature	°C	1260	
Fibre Diameter	um	3.5	
Shot Content	%	≤15	
Linear Shrinkage after heating	%	1000°C *24h≤2.5	
Thermal Conductivity	W/m.k		
	400°C	0.090	0.095
	500°C	0.119	0.123
	600°C	0.152	0.158
Tensile Strength	MPa	0.040	0.050

Notes

The test data shown are based on average results on control tests and are subject to normal variation on individual tests. These results cannot be taken as maximum or minimum requirements for specification or guarantee purposes.

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