KİL&TAŞ®
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NUTEC FIBRATEC

Spun Ceramic Fiber Blanket

Properties

NUTEC Fibratec* ceramic fiber blanket is composed of long, flexible, intervvoven fibers manufactured by the "blown" and the "spun" process yielding a strong, lightvveight yet durable blanket for applications in a temperature range from 538°C (1000°F) to 1480°C (2700°F).

NUTEC Fibratec* Blanket has the heat resistance of a hard refractory with elimine t better insulation value and the followving features:

Features

- Low thermal conductivity.
- Very low heat storage.
- Very high tensile strength.
- Thermal shock resistance.
- Sound absorption.
- Quick repairs.Should lining damage occur,furnace can be cooled quickly.
- Contains no binder, no fumes or furnace
- atmosphere contamination.
- Contains no asbestos.
- No curing or dry out time, lining can be fired to operating temperature immediately.

Typical Applications

Refining and Petrochemical

- Reformer and pyrolysis lining.
- Tube seals, gaskets and expansion joints.
- High temperature pipe,duct and türbine insulation.
- Crude oil heater linings. Steel Industry
- Heat treating and annealing furnaces.
- Furnace door linings and seals.
- Soaking pit covers and seals.
- Furnace hot face repairs.
- Reheating furnace and ladle covers.

Ceramic Industry

- Kiln car insulation and seals.
- Continuous and batch kilns. Povver

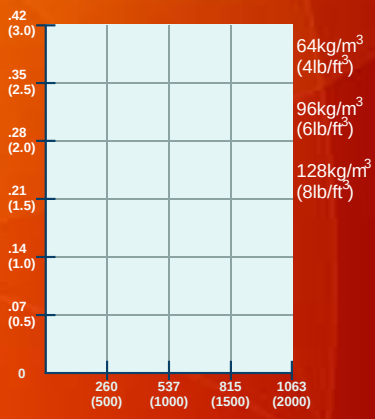
Generation

- Boiler insulation.
- Boiler doors.
- Reusable türbine covers.
- Expansion seals pipe covering.

Others

- İnsulation of commercial dryers and ovens.
- Veneer över existing refractory.
- Stress relieving insulation.
- Glass furnace crovvn insulation.

Typical Physical	LTS	HPL	HPS	HTZ
Max.Use Limit °C(°F)	1000(1833)	1260(2300)	1315(2400)	1425(2600
Continuous Use Limit °C	900(1652)	1160(2120)	1200(2102)	1325(2417
MeltingPoint'C(*F)	1760(3200)	1760(3200)	1760(3200)	1760(3200
Average Fiber Diameter	3.0	3.0	3.0	3.0
Average Fiber Length mm	203 (8)	203 (8)	203 (8)	203 (8)
Unear Shrinkage (%)				
24Hrs@1000°C(1832°F)	2.0	2.0	-	-
24Hrs@1100°C(2012°F)	-	-	1.8	-
24 Hrs@ 1300 °C (2372 °F)	-	-	-	2.0
Chemical Analysis (%)				
AL203	42-46	45-46	44-50	33-37
Si02	50-60	51-52	50-56	47-51
Zr02	-	-		13-19
Fe203	0.7-1.5	0.1-0.2	0.1-0.2	0.1-0.2
Ti02	1.5-1.9	0.1-0.2	0.1-0.2	0.1-0.2



Mean temperature C°(F°)

$$\frac{W}{m^{\circ}K}\left(\frac{btu\text{-}in}{hrft^{2}\text{-}F^{\circ}}\right)$$

Bu bilgiler, değişebilen tipik özellikleri temsil etmektedir ve spesifikasyon amacıyla kullanılmamalıdır.
This data represents typical properties subject to variations and should not to be used for specification purposes.

ISO 9001 BUREAU VERITAS Certification

Rev.01