

Insulating Firebricks



Product Description	DTT-23	DTT-26	DTT-28	DTT-32
Iso Classification	125-0.5-L	140-0.8-L	150.0.9-L	170-1.25-L
Classification Tempertaure °C	1230	1400	1510	1730
Bulk Density (kg/m ³)	580	800	880	1250
Cold Crushing Strength (kg/cm ²)	18.4	22.4	25.5	35.6
Thermal Conductivity (w/mK)				
200°C	0.15	-	-	-
400°C	0.18	0.27	0.26	0.49
600°C	0.20	0.30	0.29	0.50
800°C	0.23	0.33	0.31	0.51
1000°C	0.26	0.36	0.34	0.53
Reversible Linear Thermal Expansion (%) @ 1100°C	0.48	0.55	0.60	0.70
Chemical Analysis (%)				
Al ₂ O ₃	50	56	67	77
Fe ₂ O ₃	0.9	0.8	0.6	0.4
CaO	0.27	0.3	0.35	0.38

Dyson Thermal Technologies offer a range of Insulating Firebricks for use in applications ranging from 1200°C to 1700°C. Each grade is formulated to meet specific thermal and physical requirements, and products are machined on all faces to achieve precise and exacting tolerances. Due to the unique manufacturing process, Dyson IFBs are available in many shapes and forms. Drilled holes, grooves, flycuts and tapers can be easily fabricated.

The physical and chemical properties represent values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service, and should not be used for specification purposes.

This is used as a primary hot face refractory lining or as a back-up insulation behind other refractory products in furnaces, flues, kilns or other high tempertaure applications.

