

TECHNICAL DATA SHEET**CERAMIC FIBRE BATTS (CFB)**

Isotek batts are strong, lightweight, flexible insulating products made from long ceramic spun fibre, mechanically double-side needled for adding strength and surface integrity. The batts display very low thermal conductivity, super thermal shock resistance, low heat storage and the excellent sound absorption. The batts do not contain inorganic or organic binders, do not contaminate furnace atmosphere nor emit offensive odours during furnace operation.

The flue batts are made from 80kg/m³ density RT-1260 batts. It is a 1260°C grade strong flexible insulating material made from high purity natural alumina-silica fire clay, purified further by adding alumina-silica powder - Recommended to 1150°C hot face and 3% shrinkage.

**PHYSICAL PROPERTIES**

	RT-1260
Colour	white
Density (kg/m ³)	80
Max. Temp. Rating (°C)	1260
Melting Point (°C)	1760
Liner Shrinkage (24hr %)	3 at 1150°C
Specific Heat at 1000°C (kJ/kgK)	1.13
Thermal conductivity (W/m.K)	
Mean Temp. 80kg/m ³	
600°C	0.14
800°C	0.22
1000°C	0.32
1200°C	-

CHEMICAL ANALYSIS (%)

Al ₂ O ₃	46
SiO ₂	52
ZrO ₂	-
Cr ₂ O ₃	-
TiO ₂	0.5
Fe ₂ O ₃	0.3
Na ₂ O+K ₂ O	0.3

AVAILABILITY

Sila Code;	Flue size;	Qty./ pack	Length mm	Width mm	Thickness mm	Density kg/m ³
CFB20560	6 inch	20	1000	560	20	80
CFB20610	7 inch	20	1000	610	20	80