

SDS - F
 Incorporating low iron, pre-calcined dense grain materials, this product is formulated to provide high strength, high abrasion resistance, low porosity and high refractoriness combined with a high resistance to glass furnace carryover, vapours and solids.

SDR - F
 A dry pressed high strength abrasion resistant firebrick with good dimensional tolerance. SDR-F is a high performance firebrick which finds application where resistance to glass furnace carryover in solid or vapour forms is required.

Applications of SDS-F and SDR-F Firebricks include:

- Lower regenerator walls (Glass)
- Upper wall back up (Glass)
- Rider arches, where loading is not severe (Glass)
- Flues
- Furnace and kiln working linings
- High temperature furnace safety linings (Steel and Non Ferrous)
- Reduction cells in Aluminium industry

Dyson Firebricks - Key Features:

- Dimensionally Accurate
- Wide range of Firebrick designs available
- Economically Priced
- High Strength
- High abrasion resistance
- Low Porosity
- Low Iron content

SDS-F

- High Density - 2.2g/ml
- Low Porosity - 18%
- High Refractoriness
- High Strength

SDR-F

- High performance Superduty Firebrick
- Good dimensional tolerance
- Ideal for Safety linings

	SDS-F Dense, Abrasion resistant firebrick	SDR-F Superduty Firebrick
Apparent Porosity (%)	18.0	22.0
Bulk Density (g/ml)	2.20	2.01
Cold Crushing Strength (MN/m²)	55	30
Thermal Conductivity (w/mK)		
500°C	1.43	1.43
900°C	1.47	1.47
1300°C	1.85	1.85
Permanant Linear Change (%)		
2hr @ 1400°C	0	0
Carbon Monoxide Resistance		
450°C/200(h)	No Change	No Change
Chemical Analysis (%)		
SiO ₂	53.50	52.50
TiO ₂	1.50	1.50
Fe ₂ O ₃	2.30	2.50
Al ₂ O ₃	41.00	42.00
P ₂ O ₅	NA	NA
CaO	0.30	0.30
MgO	0.30	0.50
K ₂ O	0.50	0.80
Na ₂ O	0.10	0.10



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