

PREMIUM FLOOR TILE REFRACTORY FOR USE IN SEVERE APPLICATIONS

Pyrofloor 80 is a high alumina refractory exhibiting excellent abrasion resistance and high mechanical strength to provide an exceptional floor tile formulation.



ADVANTAGES

- Typically 5–10 years service life depending on design and applications
- Much higher abrasion resistance and mechanical strength than other products specified for same application as floor tiles

APPLICATIONS

- Floor tiles in front of furnaces
- Floor tiles in dressing rooms

CHEMICAL COMPOSITION

Major compounds in weight %

Al ₂ O ₃	78.0
SiO ₂	14.0
CaO	4.5
TiO ₂	2.5
Fe ₂ O ₃	1.0

PHYSICAL PROPERTIES

Maximum Service Temperature	2192° F	1200° C
Shrinkage	PLC -0.2%	PLC -0.2%
Density (ASTM: C 830-00)	169 lb/ft ³	2.71 g/cm ³
Cold Modulus of Rupture (ASTM: C 133-97)	CMOR 5806 psi	CMOR 40 MPa
Cold Crushing Strength (ASTM: C 133-97)	CCS 24,673 psi	CCS 170 MPa
Abrasion Resistance (ASTM: C 704)	Cast Surface 1.3 cc	Cast Surface 1.3 cc

Note: The physical and chemical properties listed represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice.

Product Type: 106, 157

Commodity Code: 02080