

ACID & ALKALI RESISTANT UNGLAZED CLAY BRICK

PRODUCT

Chemiprotect Engineers offer high quality acid & alkali resistant unglazed clay bricks (confirming to class-I of IS-4860 & ASTM C-279 Type II) for application of acid/alkali resistant lining.

FEATURES & ADVANTAGES

- **CHEMICAL RESISTANCE** Resistant to corrosive attack from most Acid/Alkali/Solvents/Chemicals.
- **ABRASION RESISTANCE** Resistant to high abrasion even when exposed to high chemical conditions.
- **HIGH TEMPERATURE RESISTANCE**
- **THERMAL SHOCK RESISTANCE** Can withstand temperature change even under immersion conditions.
- **HIGH IMPACT STRENGTH**

USES

- Chemical Resistant Flooring, Drain & Pit Lining
- Acid Mfg. plant Towers & Columns
- Effluent/Sewerage Treatment Plants
- Vessels & Tanks Lining
- Chimney, Flue & FGD Plant
- Chutes/Hoppers/Tanks/Silos
- Secondary Containment Area

LIMITATIONS

- Not suitable if exposed to HF acid, fluoride, fluoride salt solution
- Not suitable if exposed to strong, hot, high conc. Of Caustic solution
- Sudden (very rapid) temperature change

PHYSICAL PROPERTIES

	Class-I	Class-II
Bulk Density (Approx.)	2.2 to 2.3 g/cc	2.2 to 2.3 g/cc
Compressive Strength kg/cm ² Min.	700	500
Water Absorption % Max.	2	2
Flexural Strength kg/cm ² Min	100	70
Resistance To Acid	Loss in wt. shall not exceed 1.5%	Loss in wt. shall not exceed 4%

ANALYSIS

SiO ₂	70 to 72%
Al ₂ O ₃	21 to 24%
Fe ₂ O ₃	1.2%
K ₂ + Na ₂	2 to 3%

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