








Chettinad

SUPER GRADE

Concrete is made stronger and more durable by the calcium silicate hydrate gel that is created by a repeated silica reaction. Enhanced fineness or specific surface area, improved workability, and decreased permeability as a result.



-  Optimum setting time
-  Low heat of hydration
-  Smoother finish and larger coverage
-  Resistance to chemical attack
-  Corrosion resistant
-  Reduces thermal cracks
-  Reduces Green House gas emissions
-  High ultimate strength

SUPER GRADE



Chettinad Super Grade is suitable for all applications and ideal for all of construction works

APPLICATIONS

- Used in mass concrete works like dams, spillways where OPC is not suitable
- All types of RCC works
- Underground structures, bridges
- Hydro power stations
- Marine works
- Plastering, brickworks and flooring

PHYSICAL PROPERTIES

*indicative values

Physical Characteristics	Units	Requirements as per IS : 1489 (PART - 1) / 2015	Chettinad Super Grade*
FINENESS - SPECIFIC SURFACE	M ² /Kg	300	325 - 350
SETTING TIME			
a. Initial	Minute	Not less than 30	160
b. Final	Minute	Not more than 600	220
COMPRESSIVE STRENGTH			
a. 3 days	Mpa	Not less than 16	22 - 25
b. 7 days	Mpa	Not less than 22	30 - 33
c. 28 days	Mpa	Not less than 33	45 - 48