



RAMCO
SUPER FINE



Ramco Superfine EFC

Ramco Superfine EFC Cement is manufactured by inter grinding Portland cement clinker with gypsum and fly ash in certain proportion. It is an eco-friendly cement as the additive used in the manufacture is industrial waste from thermal power plants. It has good resistance against sulphate and chloride attack and hence it is used in a range of applications including hydraulic structures, marine structures, constructions near sea shore, dams, etc.

Features

Physical Characteristics	Unit	Requirement as per IS 1489 Part1:2015	Ramco Superfine EFC Cement*
Fineness	m ² /kg	300 (min)	380
Soundness			
Le Chatlier Method	mm	10.0 (max)	1.0
Autoclave Method	%	0.80 (max)	0.03
Setting Time			
Initial	minutes	30 (min)	155
Final	minutes	600 (max)	255

*Indicative prevailing values

Rapid Chloride Penetration Test (RCPT) Results (Tested as per ASTM C1202-94)

Description	M20 Grade Concrete RCPT (Coulombs)		
	28 days	90 days	180 days
OPC	3900	3315	3042
Ramco Superfine EFC (PPC)	1231	765	505

(Lower the value, better the durability)

values are for the specific sample tested

Application

- Concreting
- Construction in coastal areas
- Large infrastructures like dams, bridges, piles, etc
- Slip form constructions
- Residential, industrial, commercial, & other infrastructure projects

Benefits

- Exceptional finish
- Lesser permeability
- Lesser cracks
- Greater compressive strength
- Lower expansion and heat of hydration
- Enhanced durability



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THE RAMCO CEMENTS LIMITED

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