



RAMCO INFRA SUPER OPC 53 GRADE

LOWERS YOUR INFRA COSTS



Ramco Infra Super OPC 53 Grade

RAMCO INFRA SUPER OPC 53 Grade is a high performance portland cement designed and developed to suit special requirements of concrete. Various parameters of mining, clinkerisation and process are controlled to produce a superior cement that requires optimal chemical admixture to obtain desired rheology.



Benefits

Able to replace cement with higher percentage of Supplementary Cementitious Materials (SCMs).

Improves the speed of construction because of faster gain of strength

Higher workability with optimum admixture content.

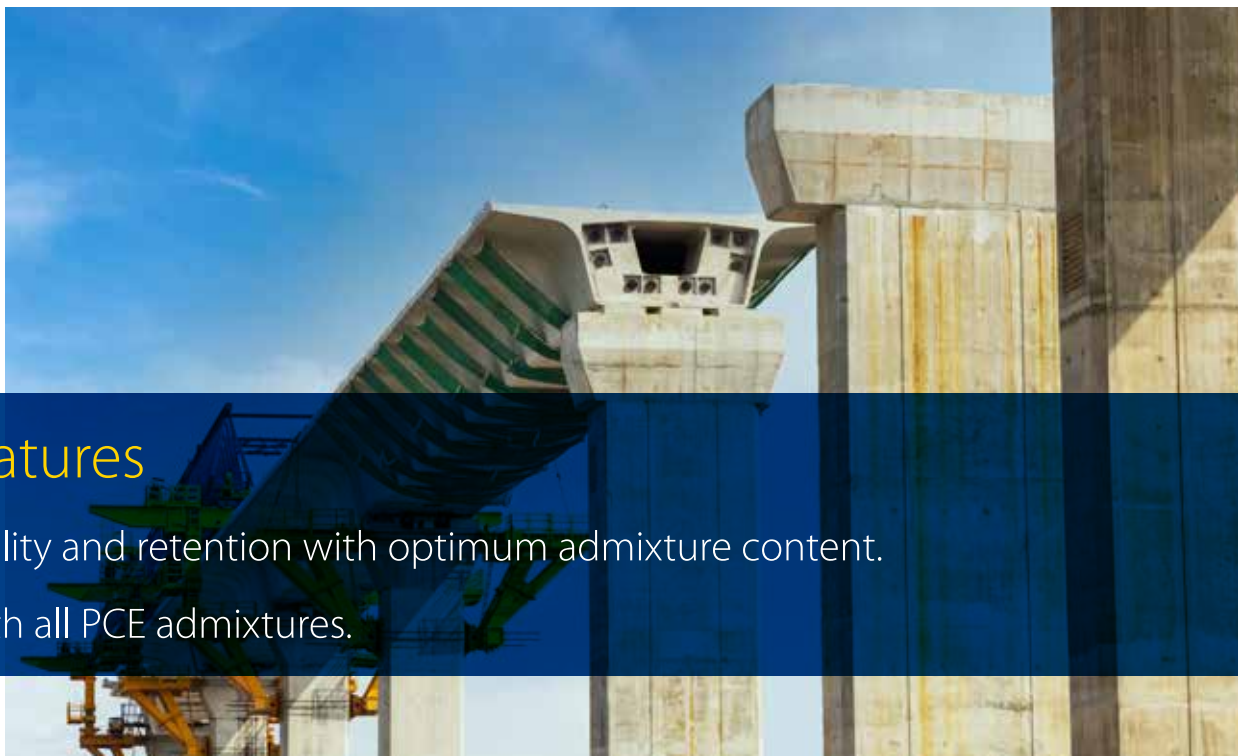
Economize cement content for a given grade of concrete.

Results in lower infra cost.

Special Features

Higher workability and retention with optimum admixture content.

Compatible with all PCE admixtures.



Metro Rail Projects

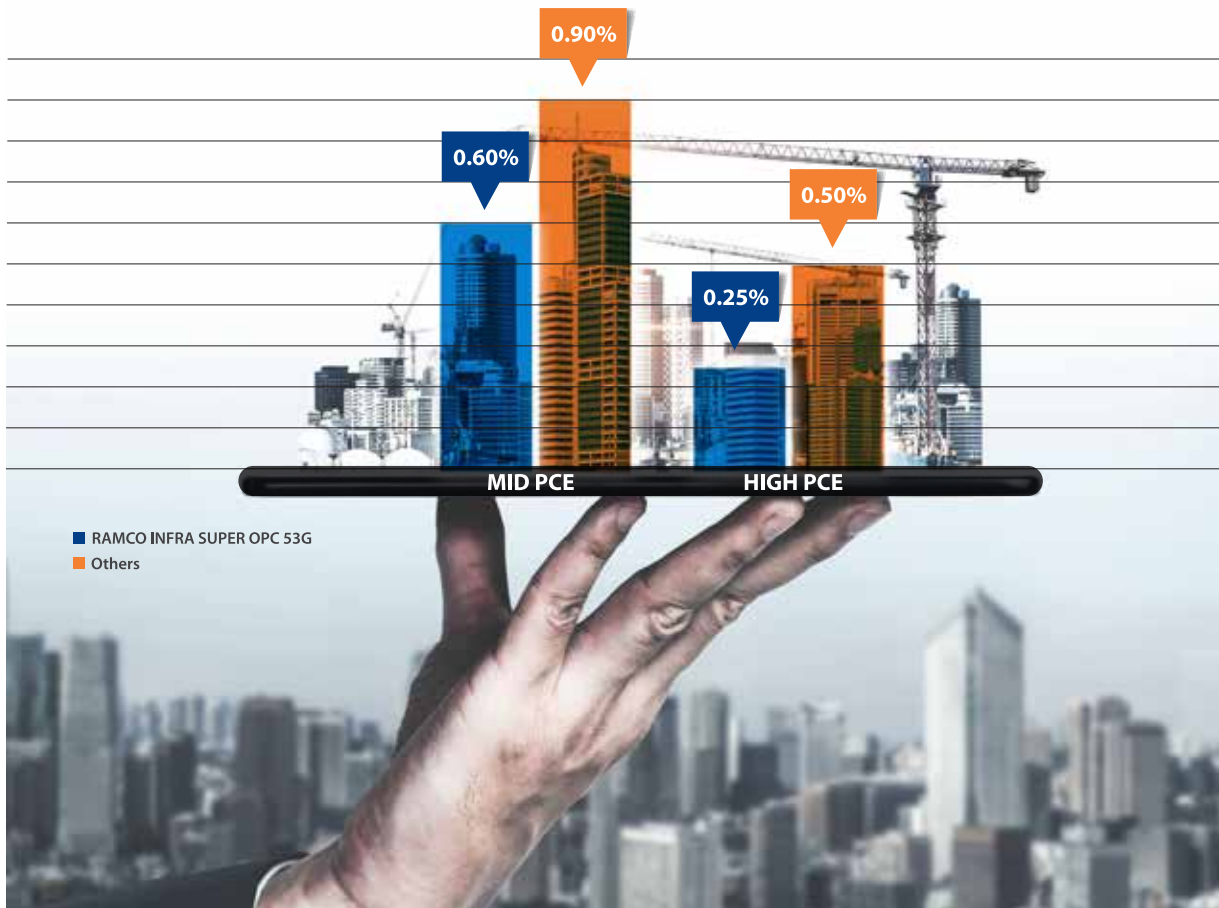


Metro Tunnels



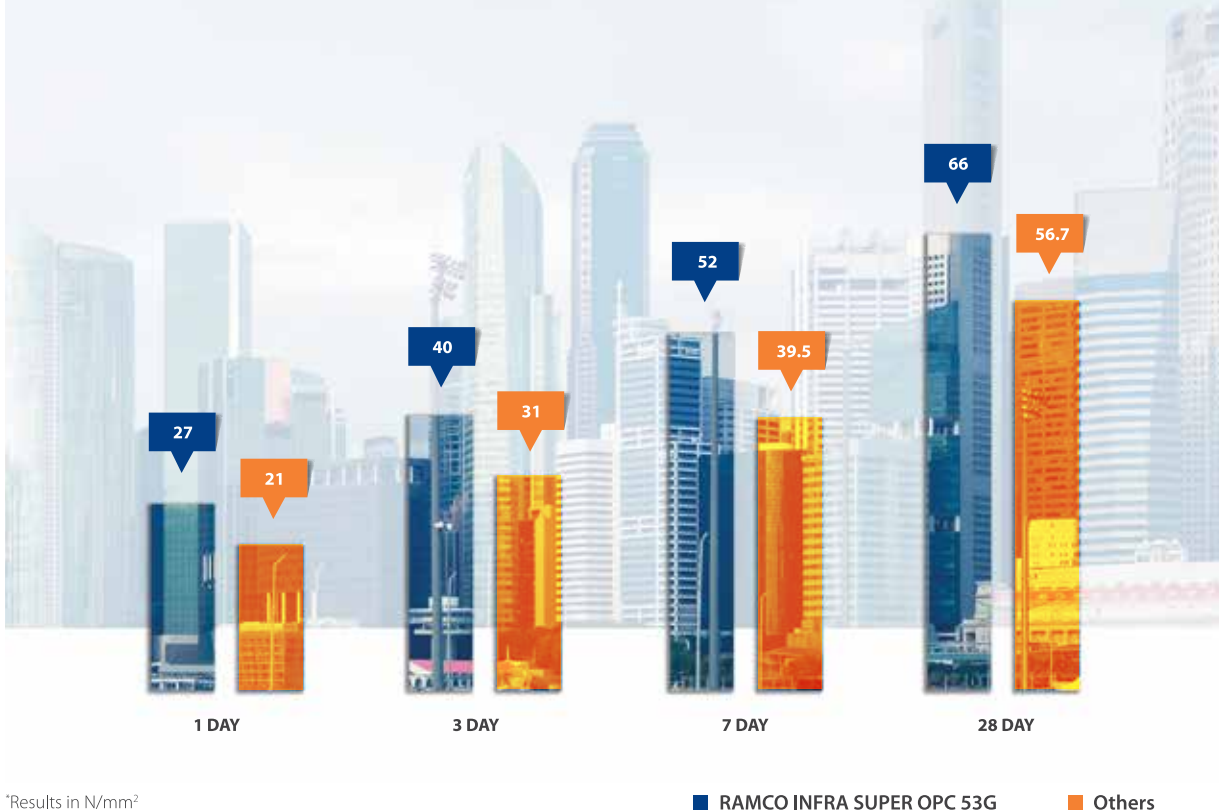
Airports

Admixture Requirement (%)



*For concrete grades of M55 & M60 for slump of 150mm ± 20 mm & retention time upto 3 hours, as tested in accredited NABL laboratory

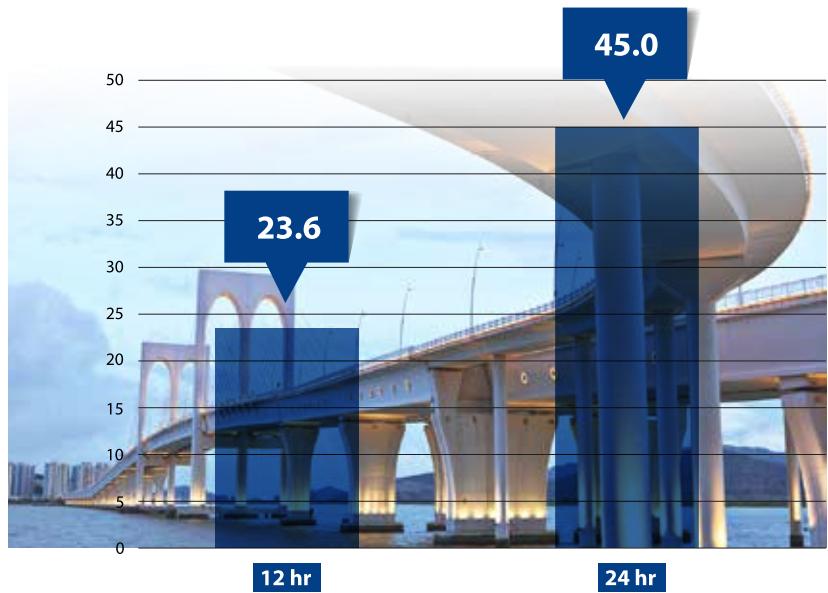
Cement Mortar Strength Results



*Results in N/mm²

■ RAMCO INFRA SUPER OPC 53G ■ Others

High Early
Strength Concrete
- Results for
M50 Precast



Results in N/mm² as tested in accredited NABL laboratory

Gives an opportunity to make economical concrete by optimising the admixture dosage & suitable design mix

S.No	Test Conducted	Results	Requirements as per IS: 269-2015
1	Specific Gravity	3.14	NA
2	Specific Surface Area (m ² /kg)	315	Min 225 m ² /kg
3	Normal Consistency (%)	24-25	Not Specified
4	Initial Setting Time (min)	75-100	Shall not be less than 30 mins
5	Final Setting Time (min)	170-230	Shall not be more than 600 mins
6	Compressive Strength (N/mm ²) a) 1 day b) 3 day c) 7 day d) 28 day	25-30 39-44 49-53 65-67	Not Specified Min 27 N/mm ² Min 37 N/mm ² Min 53 N/mm ²



RAMCO
CEMENT

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