

मजबूत कोंक्रीट
अटूट विश्वास!



RMIX[®]
Ganga

Self Compacting Concrete

Ganga – Self Compacting Concrete

Sudarshan – Concrete Without Cracks & Waterproof

Ganesha – Fiber Reinforced Concrete

Pawan - Strength Meets Lightness

Hanuman - Durable Concrete

Lakshman - Temperature Controlled Concrete

Shankara - Concrete that fights with Corrosion





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Self-compacting concrete is a kind of high fluidity concrete without vibration, also known as Self-Consolidating Concrete and **High Performance Concrete**.

Self-compacting concrete usually uses a large number of **mineral admixtures** and **chemical admixtures** to achieve a dense state without vibration under the action of its own gravity, and then fill the formwork with dense steel bars. Self-compacting concrete has the characteristics of resistance to segregation, easy filling, easy passage, high fluidity and high deformation ability, and can maintain homogeneity during and after transportation and pouring. Due to fewer defects in microstructure, self-compacting concrete can meet the requirements of **strength**, volume stability and durability of concrete

Advantages

- ✓ Concrete construction has less permeability.
- ✓ Steel reinforcement by bonding. Minimises equipment wear.
- ✓ Freedom in designing innovative architectural concrete structures.
- ✓ Creates surface finishes that are smoother and more aesthetically pleasing.
- ✓ The SCC construction is faster.
- ✓ The problems associated with concrete vibration are eliminated.
- ✓ The convenience of placing the concrete leads to significant cost savings.
- ✓ Lowers the cost of labour.
- ✓ More easily constructed.
- ✓ Improves structural integrity while producing constructions of excellent grade.
- ✓ Higher than average concrete constructions in terms of durability, strength, and dependability.
- ✓ Reduced cavities in highly-reinforced regions.
- ✓ Enables simpler pumping and offers a variety of positioning strategies.
- ✓ Since no vibration is necessary during placement, noise is reduced.



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What makes us Different

RMIX Ganga

High workability

Workability gained through superplasticizers and viscosity modifying agents

Water Content is Low

Fines Content – Cement and Fine aggregate is high

Increased fines content gives a homogeneous mix with less segregation issues

Low Viscosity due to high fines content

SCC structures give good aesthetic finish

Good choice for thick reinforcement works

Normal Cement Concrete

Less workability

Workability gained through increased moisture content

High Water Content

The fines content is less compared to SCC

Segregation is higher

High Viscosity

Aesthetic finish is not satisfactory

Normal concrete are limited in thick reinforcement areas due to external compaction difficulties.

Key Applications

- RMX Ganga is ideal for projects with **complex geometries**, heavily reinforced sections, and **difficult-to-access areas**.
- It is used in **high-rise buildings, bridges, tunnels**, and other structures where vibration is challenging.
- SCC is also employed in **marine structures, industrial floors**, and other applications where durability is crucial



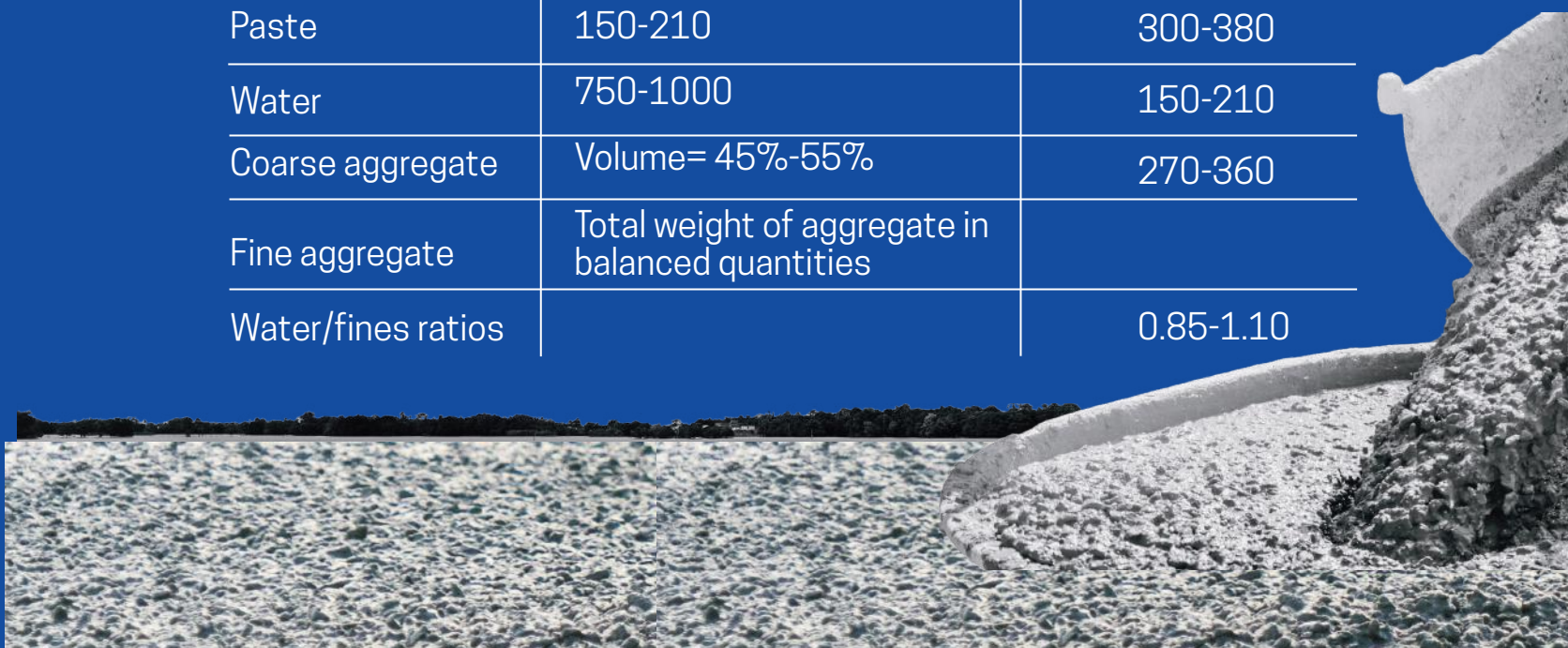


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Specifications

Test	Properties	Unit	Typical Ranges	
			Min	Max
Slump Flow	Filling Ability	mm	650	800
T50 Slump Flow	Filling Ability	Sec	2	5
J-Ring	Passing Ability	mm	0	10
V-funnel	Filling Ability	Sec	8	12
L-box	Passing Ability	(h2/h1)	0.8	1.0
U-box	Passing Ability	(h2-h1)	0	30

Dosage parameters	Typical range by weight (kg/m ³)	Typical range by Volume (kg/m ³)
Fines	380-600	
Paste	150-210	300-380
Water	750-1000	150-210
Coarse aggregate	Volume= 45%-55%	270-360
Fine aggregate	Total weight of aggregate in balanced quantities	
Water/fines ratios		0.85-1.10





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Strengthening...
SOUTH GUJARAT

**We Delivered
ON-TIME CONSISTENTLY
FOR 7 YEARS.**

RMIX
Vadod

Vesu, Sachin, Hojiwala Industrial,
Udhana, Pandesara/Vadod, Althan

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Hazira

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RMIX
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