

मजबूत कोंक्रीट
अटूट विश्वास!



RMIX[®]
Lakshman

Temperature Controlled 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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ICE Ready-Mix Concrete is a special mixture of concrete where ice is used instead of water to **control the temperature of the mix**. This type of concrete is particularly useful when the ambient **temperature is too high**, as it helps to reduce the heat of hydration, a chemical reaction that occurs when water and cement combine. By using ice, you keep the concrete mixture cooler, preventing it from setting too quickly and ensuring that the quality of the concrete is maintained.

Key Applications



Hot Weather Construction

Ice concrete is commonly used in hot climates or during summer construction projects. When the temperature is high, the concrete mixture can set too quickly, leading to cracks and weak spots.



Large-Scale Construction Projects

For large construction projects such as highways, bridges, or dams, ice concrete can be used to maintain the quality of the concrete mix.



Preventing Early Hardening

In very warm conditions, concrete can harden too quickly before it has been placed properly. Ice concrete helps slow down this process, giving workers enough time to finish their tasks without compromising the final result.



Concrete in High-Temperature Areas

Ice concrete is particularly beneficial for projects in areas where temperatures frequently exceed 40°C (104°F).



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Specifications

- The temperature at the time of placing is specified. Normally accepted specification is **30±2 °C**.
- Water temperature should be below than **5 °C**.

What makes us Different

Feature	RMIX Lakshman	Normal Concrete
Temperature Control	Ice added for cooling	Ambient temperature
Heat Absorption	Ice phase change absorbs heat	Limited
Cracking Risk	Reduced by controlling temperature	Higher in extreme temperatures
Strength and Durability	Can be improved with proper ice content	Can vary significantly
Application	Large pours, hot weather, deep mines	General construction

Advantages

- ✓ Enhanced Durability
- ✓ Improved Workability
- ✓ Reduced Risk of Cracking
- ✓ Eco-Friendly Options
- ✓ Better Performance in Extreme Weather





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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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Gujarat, 394221

RMIX
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Hazira

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Gujarat, 395007

RMIX
Navsari

Navsari, Bardoli, Palsana

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