

ICECRETE

Power That Defies the Heat



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Power That Defies the Heat



WHAT IS ICECRETE®?

IceCrete®, is Çimsa's specialized concrete solution developed to maintain concrete performance under hot weather conditions.

Powered by advanced cooling-assisted technology, IceCrete® regulates the temperature of aggregates and mixing water to prevent premature setting. By controlling the accelerated setting tendency caused by high ambient temperatures, it helps preserve workability, strength, and overall application quality.

Its specially formulated set-retarding admixtures and high-performance superplasticizers keep concrete workable for longer, making placement and finishing easier. With controlled setting characteristics and extended working time, IceCrete® reduces application errors and enables a safer, more reliable concrete placement process.

Concrete placement in hot weather presents significant risks to quality and long-term performance, making compliance with **TS 1248, TS EN 206, and TS EN 13670** essential. IceCrete® minimizes these risks, helping concrete achieve optimum performance in both its fresh and hardened states.

Today, concrete performance is evaluated not only by strength but also by workability, application time, and durability. IceCrete® balances all of these critical performance parameters under hot weather conditions, delivering consistent quality and long-lasting performance.

APPLICATION AREAS

- All concrete placements carried out in hot weather conditions
- Mass concrete applications (foundations, etc.)
- Horizontal and vertical structural elements
- Structures with heavily reinforced sections and complex formwork geometries
- Large-volume concrete placements where cold joint risk is critical

Key Benefits:

- Preserves concrete workability and performance in hot weather
- Improves placement efficiency through excellent pumpability
- Reduces hydration heat, minimizing the risk of thermal cracking
- Promotes more balanced and consistent strength development

RECOMMENDATIONS FOR USE

To achieve optimum performance, appropriate curing practices should be applied and concrete surfaces should be protected during placement.



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