

n❄rdcrete

Defying the Freeze, Defining Strength



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nordcrete

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WHAT IS NORDCRETE®?

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

Engineered for low-temperature applications, NordCrete® prevents delays in setting and strength development, helping concrete operations progress safely and efficiently even in cold climates.

Its advanced admixture technology supports the cement hydration process, enabling concrete to reach the critical **4 MPa strength threshold** more quickly. This allows earlier formwork removal, shortens construction schedules, and improves overall jobsite productivity.

Concrete placement in cold weather presents critical challenges such as freezing, delayed setting, and slow strength development. NordCrete® minimizes these risks while preserving the performance of concrete in both its fresh and hardened states.

In addition, NordCrete® enhances the internal structure of concrete, improving its resistance to environmental conditions and supporting long-term durability. Developed in compliance with **TS 1248**, NordCrete® provides a reliable and sustainable solution for concrete production in cold weather.

APPLICATION AREAS

- All concrete placements carried out in cold weather conditions
- Foundations and infrastructure applications during winter
- Horizontal and vertical structural elements
- Projects requiring early strength development

Key Benefits:

- Maintains concrete performance at low temperatures
- Enables earlier formwork removal
- Accelerates construction progress
- Reduces the risk of freeze-related damage
- Provides a safer and more sustainable concrete solution

RECOMMENDATIONS FOR USE

During cold weather concreting, appropriate surface protection measures and curing practices should be implemented. Necessary site precautions should also be taken to prevent concrete temperature from falling below critical levels.



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