



READY MIXED CONCRETE MANUFACTURERS' ASSOCIATION – (RMCMA)

(Bulletin No. 12)

Supplementary Cementitious Materials

PRESIDENT'S MESSAGE

Dear fellow RMCMA Members,

I hope this message finds you well. As we navigate an era defined by rapid technological advancements and a growing need for sustainable practices, it's crucial that we, the members of RMCMA India, remain at the forefront of innovation within our industry. This bulletin on Supplementary Cementitious Materials (SCMs) serves as a vital resource for us all, and I encourage you to delve into its contents with the utmost attention.

The bulletin provides a comprehensive overview of the different types of SCMs, their specific properties, and the profound impact they have on the performance of concrete in both fresh and hardened states. This knowledge is paramount for us as manufacturers, enabling us to optimize mix designs and consistently deliver high-quality concrete that meets the evolving demands of the construction sector.

The document underscores the critical role of SCMs in making concrete production more sustainable and environmentally responsible. By replacing a portion of OPC with SCMs, we actively contribute to the reduction of our carbon footprint. Remember, the production of OPC clinker releases significant amounts of CO₂ into the atmosphere. By embracing SCMs, we can make a tangible difference in mitigating climate change.

The bulletin emphasizes the importance of meticulous quality management, proper handling, storage, and accurate dosage of SCMs. These practices are non-negotiable if we are to ensure consistent and reliable performance in our concrete products.

I want to draw your attention to the exciting evolution of SCMs toward Ultrafine Supplementary Cementitious Materials. Building upon the established benefits of conventional SCMs, these advanced materials offer enhanced reactivity, leading to even greater improvements in concrete performance. Ultrafine SCMs are poised to address persistent challenges in the construction world, including shrinkage, permeability, and durability concerns, ushering in a new era of high-performance concrete.

I urge you to consider the following key takeaways:

- Make the incorporation of SCMs a standard practice in your concrete production processes.
- Stay informed about the latest research and developments in the field of Ultrafine SCMs.
- Actively participate in knowledge sharing and collaborative initiatives within RMCMA to disseminate best practices and drive the widespread adoption of these sustainable materials.

By embracing SCMs and pioneering the use of their Ultrafine SCMs, we not only elevate the quality and sustainability of our concrete but also demonstrate our unwavering commitment to a more responsible and environmentally conscious construction industry.

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(President, RMCMA)

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