



For Immediate Release

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Concrete Strength Model Provides Important New Industry Tool

Alexandria, VA – May 19, 2022: The Ready Mixed Concrete (RMC) Research & Education Foundation announces the release of its latest tool: a new concrete strength model to optimize concrete mixtures. The model was developed by Edwin R. Dunstan, with ERD Consultants, based on several years of research, using fundamental concepts, and mixture evaluations in practice. The strength model was evaluated with limited testing to predict strength of different mixtures at the NRMCA's Research Laboratory.

The concrete strength model has been designed as a simple model for producers to use to optimize their concrete mixtures for strength to minimize overdesign. This can allow producers to save both material and money. The model requires sequential testing of trial batches to establish model parameters appropriate to the materials being used. Once these parameters are established, strength of other mixtures within the tested constraints can be predicted.

“We’re pleased to offer yet another resource to help producers operate efficiently and effectively. This model will allow producers to improve their bottom line while also ensuring quality and sustainability,” said Foundation Chairman Rodney Grogan with Dunn Investment Company.

Julie Garbini, Executive Director of the Foundation, added, “The concrete strength model is another tool in the ready mixed concrete producer’s toolbox. The Foundation’s mission is to improve quality, sustainability and professionalism in the industry and this new, free deliverable meets all those marks.”

The model, based in Excel, is available for download from the RMC Research & Education Foundation’s [website](#), both on the homepage under the [Concrete Applications page](#).

The vision of the RMC Research & Education Foundation is to be a lasting resource for increasing quality, professionalism, and sustainability in the ready mixed concrete industry by funding and implementing research and education programs.