Roka Admix DSF

Densified Silica Fume Pozzolanic Admixture

Roka Admix SFD is a dry, densified silica fume pozzolanic admixture which significantly increases the durability, permeability and compressive and flexural strengths of the concrete.

Uses & Advantages:

- Increases Compressive and flexural strength.
- Increases durability.
- Increases resistance to chemical attacks.
- Increases abrasion erosion resistance.
- Increases impermeability.
- Increases resistance to freeze/thaw cycles.

Fields of Application:

Roka Admix DSF is recommended for use in harsh environments to protect substructures and superstructures that require dense and impermeable concrete. It is also recommended for demanding and intricate design applications in areas like:

- Bridge and Parking Decks.
- Marine Structures.

Dosage:

The recommended dosage of Roka Admix DSF varies from 5 to 15 % by weight of cement. Higher dosages result in increased cohesiveness and density. At higher dosages bleeding will essentially be eliminated but will increase the difficulty of finishing operations and susceptibility to surface drying and plastic cracking. For higher dosages, use of suitable Roka Water Reducing Admixtures and Roka Plasticizers in conjunction with Roka Admix DSF is recommended to assist in placement and finishing operations while optimizing concrete performance.

It is recommended to always run trial mixes to determine the optimum dosage for specified project requirements.

Direction for Use:

Roka Admix DSF is batched at the ready mixed concrete plant in a manner similar to cement and other cementitious materials. It is important the concrete is thoroughly mixed with a minimum of 100 revolutions of the drum to ensure uniformity of performance.

For best results, “Under Finish and Over Cure”. Under Finish means to not specify a greater degree of finish than is actually necessary for concrete’s intended use thus minimizing the finishing coats and reducing the time before curing is initiated consequently reducing the risk of potential plastic shrinkage cracking. Over Curing means doing more than would normally require for normal concrete in the same placement. ACI 308, “Standard Practice for Curing Concrete” must be followed to achieve the best results.

Important Note:

The information provided in this data sheet is based on ongoing development efforts and extensive field experience. While we strive to ensure the accuracy and reliability of the information, we cannot assume responsibility for any work performed using our materials, as we have no control over application methods, site conditions, and other factors. Due to ongoing research and development in our laboratories, we recommend that customers verify that this data sheet has not been replaced by a more recent publication.

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