



SYNTHASH

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Technical Data Sheet

Product Description:

Synthash ~ (RTU - Ready To Use) Nano Ceramic Polymer Curing Additive Dry powder Agent for Portland Cement, the composition is Amber to slightly yellow in color.

Product Benefits:

(HRWR) SUPER PLASTICIZER ~ High-range water reducers, reduce water content by 12 to 30 percent and can be added to concrete with a low-to-normal slump and water-cement ratio to make high-slump flowing concrete. Flowing concrete is a highly fluid but workable concrete that can be placed with little or no vibration or compaction. The effect of Super Plasticizers lasts only 30 to 60 minutes, depending on the brand and dosage rate, and is followed by a rapid loss in workability.

WATER REDUCER ~ Reduces the required water content for a concrete mixture by about 5 to 10 percent. Consequently, concrete containing a water-reducing admixture needs less water to reach a required slump than untreated concrete. This admixture reduces water content by at least 8 percent and tend to be more stable over a wider range of temperatures.

CORROSION INHIBITOR ~ Synthash can be used as a defensive strategy for concrete structures, such as marine facilities, highway bridges, and parking garages, that will be exposed to high concentrations of chloride.

ASR INHIBITOR ~ Alkali-silica Reactivity Inhibitor reduces the amount of shrinkage to control drying and minimize cracking, creating a more durable structure.

INCREASE TENSILE STRENGTH ~ Synthash will gain PSI of the concrete by 35% to 45% in 28 day cured concrete.

LOW SLUMP ~ This product will create a (Thixotropy) character appearance, making the cement both thick and thin simultaneously, causing a (Very Low Slump) but enhanced workability.

NON-STICK ~ This additive will not bond to forms or hoses while in a wet state, making this product superior for pumping systems.

COLD JOINT INHIBITOR ~ Rigorous testing has shown that Synthash will bond up to 6 hours to old concrete with 98% of bondability; tests have shown a completely homogenous cured concrete.

REDUCED POROSITY ~ Synthash will significantly reduce porosity in cement and promote less cracking from ASR and Freeze-Thaw effects without using other additional products.

Directions for Use:

Synthash Dry Powder ~ (RTU - Ready To Use) Addition Max rate from .75% up to 1.25% of Synthash powder by weight of the Portland cement used.

SYNTHASH ~ Thixotropic Properties ~ Has zero to low slump, do not add more water to the mix.

USE CASE TEMPERATURE RANGE EXAMPLES:

Outside 70° F / 21° C / Dry Mix Ratio - Max Load

CAUTION:

Dispose of container and unused contents in accordance with Local, State, and Federal regulations. EMPLOYERS should obtain a copy of the Safety Data Sheet (SDS) from your supplier. Do not store at temperatures greater than 140° Fahrenheit / 60° Celsius or in direct sunlight.

DO NOT TAKE INTERNALLY! Use eye protection to avoid contact with eyes. In case of eye contact, open eyelids wide and flush immediately with plenty of water for at least 15 minutes. Use protective measures to keep off of skin. Wash off well if product comes in contact with skin. If swallowed, CALL PHYSICIAN IMMEDIATELY! GET MEDICAL ATTENTION. KEEP OUT OF REACH OF CHILDREN!

WARRANTIES:

We, the manufacturer, warrant only that this product is free of defects since many factors which affect the results obtained from this product such as weather; workmanship, equipment utilized, and prior condition of the substrate are beyond our control. We will replace at no charge any product proved to be defective within 12 months of purchase if proof of purchase from an authorized distributor is provided. DISCLAIMER OF The Limited Warranty is IN LIEU OF any other warranties express or implied including but not limited to any implied warranty of MERCHANTABILITY or fitness for a particular purpose; and we, the manufacturer, shall have no further liability of any kind including liability for consequential or incidental damages resulting from any defects or any delays caused by replacement or otherwise

SAFETY:

Please make sure you have read and understand the product label and SDS before using this product. Avoid breathing vapors, spray or mists. Use only with adequate ventilation. Wash thoroughly after handling. Observe label precautions.

- *Non-flammable*
- *Warning: May irritate eyes and skin*
- *Storage: Do Not Freeze*
- *Shelf Life: 3-5 years in dry storage*