

QUANTEC[®] NC-544

Non-Chloride Set Accelerator

Product Description

QUANTEC[®]NC-544 admixture is a non-chloride, non-corrosive, accelerator for use in the manufacture of concrete products where the process requires zero or very low slump concrete and accelerated early strengths. QUANTEC[®]NC-544 admixture does not contain calcium chloride and is non-corrosive to pallets, racks and molds.

Product Advantages

- Non-chloride/non-corrosive
- Hastens hydration process
- Sharper corners and edges

Product Uses

QUANTEC[®]NC-544 admixture may be used in all zero or low slump concrete to provide early strength while reducing or eliminating the need for steam curing. The early strengths can allow for cement reduction or replacement of Type III cement with Type I cement as a further cost reduction.

QUANTEC[®]NC-544 admixture is designed for use in concrete block mixes, and may also be beneficially used in concrete pipe, concrete pavers and concrete brick.

How it Works

QUANTEC[®]NC-544 admixture accelerates the chemical reaction between Portland cement and water. It speeds up the formation of gel—the binder that bonds aggregates together. Accelerated gel formation in turn shortens the setting time of the concrete and contributes to the development of early strengths. Early strengths can reduce cracking and crazing and provide sharper corners and edges. The addition of QUANTEC[®]NC-544 admixture may be used to increase the compressive strength of the block at the same cement content.

Application Information

Addition Rates

QUANTEC[®]NC 544 admixture is typically used at a rate of 5-10 oz/cwt (325-650 mL/100 kg) of cementitious material. Addition rates will vary depending upon the desired performance. Testing with specific materials is recommended in order to determine the end results.

Packaging

QUANTEC®NC-544 admixture is available in drums and returnable totes.

Health & Safety

All precautions defined on the SDS (Safety Data Sheet) for QUANTEC®NC-544 admixture must be followed.

Storage

QUANTEC®NC-544 admixture will freeze at approximately -10°F (-23°C) but properties will return to full effectiveness after thawing and thorough mechanical agitation.

ca.gcpat.com | North America customer service: 1-877-4AD-MIX (1-877-423-6491)

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