

NON-CHLORIDE MORTAR ACCELERATOR

NCA is a non-chloride additive (in dry powdered form) designed to accelerate the set time of mortar and concrete mixes while increasing early compressive strength. NCA does not promote steel corrosion or efflorescence and will not disturb color dispersion in colored mortar or concrete. Unlike other non-chloride accelerators, such as those containing calcium nitrate, NCA is not hazardous. No special handling, storage or transportation expense is required.

USES and ADVANTAGES

- Non-chloride accelerator.
- Will not promote steel corrosion or efflorescence in mortar and concrete.
- Will not disturb color dispersion in colored mortar or concrete.
- Reduces initial and final set times.
- High early strength development.
- Increases durability.
- Non-hazardous.
- Meets ASTM C-494 Types C and E.

RECOMMENDED DOSAGE

For each 70 lb. bag of mortar, add one pound of NCA. Adding more than the recommended dosage will not hurt the mix but you will probably not get any additional benefit. If slower acceleration is desired, less than the recommended dosage may be added.

For each 94 lb. bag of cement, add two pounds of NCA. For faster acceleration, up to one more bag of NCA may be added. Any more than that will not hurt the mix but you will

probably not get any additional benefit. If slower acceleration is desired, less than the recommended dosage may be added.

Set times below are based on recommended dosage rates:

Approximate Initial Set

Air Temperature (F).....39.....66.....93
 Normal Set (hours).....7.2.....4.3.....2.2
 Set with NCA (hours).....3.8.....2.3.....1.4

Approximate Final Set

Air Temperature (F).....39.....66.....93
 Normal Set (hours).....11.6.....6.3.....3.6
 Set with NCA (hours).....6.8.....3.9.....2.9

APPLICATION

Pour powdered contents into the wet mortar or concrete mix. Mix thoroughly for 5 minutes to ensure complete dispersion. Then use mortar or concrete mix as you normally would.

SPECIAL PRECAUTIONS

- In freezing weather, use only clean, well graded materials free of ice.
- Below 32 degrees F, artificial heat is required in addition to NCA.
- Below 32 degrees F, heat aggregates and water for proper curing temperature.
- Do not combine NCA with other accelerators.

WARNING!

Do not take internally. If swallowed, drink water. If large quantities are swallowed, seek immediate medical attention. Should vomiting occur, be sure to keep victim's head below the hips to prevent aspiration of vomit into lungs. In case of eye contact, flush with plenty of water for at least 15 minutes. If irritation persists, seek immediate medical attention. In case of skin contact, wash with soap and water. If irritation persists, seek immediate medical attention.

Gloves and eye protection are recommended when using this product. Read Material Safety Data Sheet (MSDS) before using this product which may be obtained from your retailer or by calling 978-453-8881 or by visiting our website at www.umaco.com.

24 Hour Emergency Medical/Spill Information (Chemtrec): 800-424-9300

KEEP OUT OF THE REACH OF CHILDREN!

For technical assistance call 978-453-8881

www.umaco.com

LIMITED WARRANTY

The manufacturer guarantees its products to be free of defects and the extent of its liability is limited to the purchase price of the materials only, if proved to be defective.

Improper mixing, incorrect application or other factors beyond the control of the manufacturer or its dealers may produce unsatisfactory results and cannot be held to be the manufacturers or its dealers responsibility. There are no other guarantees either expressed or implied.

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