

# K A U F M A N

PRODUCT  
INFORMATION

KAUFMAN  
PRODUCTS  
INC.

3811 CURTIS  
AVENUE

BALTIMORE,  
MARYLAND  
21226-1131  
www.kaufmanproducts.net

410-354-8600  
800-637-6372

## EXCELL NC

### Description

Excell NC is a special accelerating, water-reducing admixture for mortar that does not contain calcium chloride or added chloride ions. Until now, all accelerators contained varying amounts of calcium. This improved product achieves beneficial results by using a special organic accelerator, as reported in ACI journals, that does not have the harmful side effects of corroding steel. Excell NC works equally with white, gray or colored masonry cements without causing discoloration.

### Uses

NC is designed for use in mortar in cold weather conditions. It will substantially speed the set and strength gain over modified mixes. It can be safely used in all plain concrete block, mortar, pipe and other precast and post-tensioned concrete.

It provides significant improvements in early stiffening and setting characteristics. Mortars containing this admixture can be placed in contact with steel, since this non-corrosive accelerator is completely free of materials that cause corrosion.

### Specifications

Excell NC is formulated to comply with ASTM C-494, Type C and E and consequently it may be used in cement mortars to improve their properties.

### Packaging

(208.15 Liters)	55 gal.	Drums
( 18.93 Liters)	5 gal.	Pails
(4/3.79 Liter pails)	4/1 gal.	Pails

### Technical Properties

Tested @ 40°F

16 oz. of Excell NC per bag of masonry cement.  
ASTM C-270 modifying

Cement	Changes in setting time vs. unmodified	3 day psi	7 day psi
--------	--	--------------	--------------

#### Type M

Neat		475	960
w/ Excell NC	-28%	570	1140

#### Type S

Neat		430	820
w/ Excell NC	-40%	570	1140

#### Type N

Neat		230	460
w/ Excell NC	-38%	320	540

### Directions

Add Excell NC direct to each mortar batch as shown below:

	Each Bag	Each Bag	Each Bag
Lowest Daily Temp.	Portland Cement Mortar &/or cu. ft. Lime	Masonry Cement	Colored Mortar
32°	1 qts.	1 pints	1 pints
25°	1.5 qts.	1.5 pints	1.5 pints

### Precautions

Liquid NC will freeze - Protect from freezing. If it does freeze, bring material to at least 32°F and agitate. Always follow ACI engineering guides. Use only dry masonry units. No frozen materials should be used. Erecting a windbreak around work helps to prevent rapid evaporation. Masonry should be protected for 24 hours after laying by covering with tarps, insulated blankets, etc. Wall areas adjacent to metal bucks must be kept dry and free from all water, ice and snow, otherwise door frames may rust since water and oxygen cause steel to rust.

For professional use only. Not for sale to or use by the general public.

LIMITED WARRANTY We warrant our products to be of good quality and will replace material proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement, Kaufman Products, Inc makes no warranty or guarantee, expressed or implied, including warranties of fitness or merchantability, respecting its products, and Kaufman Products, Inc shall have no other liability with respect hereto. User shall determine the suitability of the product or the intended use and assume all risks and liability in connection thereto. Our salesmen, distributors and their salesmen have no authority to change the printed recommendations concerning the use of our products.

Priming of metal frames with an asphalt paint or primer should be considered to prevent rusting. Never dispense onto dry cement. For temperatures below 32°F, heat aggregates, use warm water so that concrete temperatures when mixed rises above 50°F, follow ACI 306, "Recommended Practice for Cold Weather Concreting".

This product does not protect plastic mortar from freezing-but allows the mortar to gain strength at a faster rate in cold weather. Test batches and mix design may be required due to variations in local cement and aggregates. Keep mortar from freezing until a minimum strength of 1000 psi is achieved.