



SPECIALTY CONSTRUCTION PRODUCTS

FreezBan™ NC

Non-Chloride Accelerator for
Concrete and Mortar

P R O D U C T D A T A

DESCRIPTION

FreezBan NC is a set accelerating and water reducing liquid admixture for concrete and masonry mortar. **FreezBan NC** is formulated without calcium chloride or chloride ions that may promote corrosion. **FreezBan NC** may be used in concrete or mortar in contact with reinforcing steel, door & window jams, and other metallic building materials. **FreezBan NC** improves the workability and finishing characteristics of concrete and mortar placed at cold temperatures.

USES

- Plain concrete and mortar placements down to 15°F (-9°C)
- Setting brick, concrete block, stone, glass block, and structural clay tile
- In areas where specifications call for noncorrosive non-chloride accelerating admixture
- Precast, post-tensioned and cast-in-place structural concrete

ADVANTAGES

- Improves workability of concrete & masonry
- Permits masonry to bear loads sooner
- Improves adhesion and mortar density
- Increases early tensile and compressive strengths
- Significantly reduces efflorescence

Packaging Part Number		
	Packaging	Part #
5 gal (18.9L)	36/shrink wrapped pallet	F6320.05
55 gal (208 L)	4/shrink wrapped pallet	F6320.55

Estimating Guide Amount of Freezban NC per:

Temp (°F,°C)	80 lb Masonry Mortar	94lb Portland Cement
<32, 0	1.5 pt (0.7L)	1.5 qt (1.4L)
>25,-4	1qt (0.9L)	2.0 qt (1.9L)
>15, -9	1.5 qt (1.4L)	3 qt (2.8L)

TECHNICAL DATA

FreezBan NC fully complies with the requirements of the following specifications for accelerating admixtures in concrete and masonry mortar:

- ASTM C-494, Type C
- AASHTO M-194, Type C
- Army Corps of Engineers CRD-C87, Type C
- Zero Volatile Organic Compound

DIRECTIONS

Add **FreezBan NC** directly to the gauging water for each batch of mortar. Under no circumstances should **FreezBan NC** be added to the cement or mortar.

To obtain maximum results:

- Use a windbreak around mortar board and mixer to minimize the chill factor
- Keep sand and gauging water ice free
- Protect work from freezing for first 48 hours
- Keep walls dry next to metal door or window frames. Frames may corrode due to moisture and air
- If frames are scratched or abraded apply a metal primer
- Test compatibility of the prepared mortars before use



ChemMasters®

An American Owned & Operated Company
300 EDWARDS STREET • MADISON, OHIO 44057-3112 (440) 428-2105 • FAX (440) 428-7091 • ORDERLINE: (800) 486-7866 www.chemmasters.net

Sept 2013

- Follow the Brick Industry Association Technical notes on cold and hot weather construction

CLEAN UP

Clean tools or containers with water after use with **FreezBan NC**.

LIMITATIONS

- **FreezBan NC** changes the finishing characteristics of mortar and should be used throughout a given surface. Stopping use of **FreezBan NC** in the middle of a surface may create bands or joints with a noticeable difference in appearance
- Note: Independent Laboratory Tests using ASTM procedures prove no discoloration or efflorescence is caused by using **FreezBan NC**
- ChemMasters recommends that metal surfaces such as doors, window frames, and casings not completely imbedded in mortar be coated with a rust preventative material when contacted with mortar treated with **FreezBan NC**.

STORAGE

To prevent contamination by moisture and dirt, drums that have been opened should be tightly closed and stored in horizontal position to prevent moisture accumulation on drum heads. If crystals form when **FreezBan NC** is stored at extreme low temperatures, raise temperature to above 30°F,

(-1°C) and thoroughly agitate until in solution before use. Shelf life of properly stored material is two years from date of manufacture.

CAUTION

Causes eye irritation on direct contact. Overexposure may cause skin and respiratory tract irritation. Do not take internally. Keep out of reach of children.

All label precautions and the SDS must be read and understood before using this product.

Use the most current version of the product data sheet and Safety Data Sheets available at www.chemmasters.net or call 800-486-7866.

Proper application is the responsibility of the user. ChemMasters can only make technical recommendations and cannot provide quality control on the jobsite.

This Product is Formulated and Labeled for Industrial and Commercial Use Only

FOR BEST RESULTS AND SAFEST USAGE, USER IS SPECIFICALLY DIRECTED TO CONSULT THE CURRENT PRODUCT & SAFETY DATA SHEETS AND PACKAGE LABEL FOR THIS PRODUCT. We warrant our products to meet our published specifications and to be free from defects in materials and workmanship to the acceptable quality levels defined in these specifications. If acceptable quality levels are not specified, the acceptable quality levels will be those normally supplied by us for the product. We make no guarantee of the results to be obtained from the use of our products. The determination as to the adaptability of any of our products to the specific needs of the Buyer is solely Buyer's prerogative and responsibility. We are glad to offer suggestions on the use of our products. Nevertheless, there are no warranties given except such expresses warranties offered in connection with the sale of a particular product. Our liability shall be limited to replacement of, or refund of an amount not to exceed the purchase price attributed to, the goods as to which such claim is made. Our selection of one of these alternatives shall be Buyer's exclusive remedy. IN NO CASE SHALL WE BE LIABLE FOR CONSEQUENTIAL OR SPECIAL DAMAGES, EVEN IF WE HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, GUARANTEES, CO-CONDITIONS AND REPRESENTATIONS, EITHER EXPRESSED OR IMPLIED, WHETHER ARISING UNDER ANY STATUTE, COMMON LAW, USAGE OR TRADE, COURSE OF DEALING OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.