

HARD-N-FAST NON-CHLORIDE LIQUID SET ACCELERATOR FOR MORTAR

1. Product Name

Hard-N-Fast chloride-free liquid set accelerator for mortar

2. Manufacturer

Illinois Products Corporation (IPCO)
423 Joseph Drive
South Elgin, IL 60177-2268
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3. Product Description

Hard-N-Fast chloride-free liquid set accelerator for mortar is an admixture for mortar designed to allow for more effective construction of masonry walls in cold weather. Hard-N-Fast liquid is not an "antifreeze", and therefore will not appreciably lower the freezing point of mortar or water. The chemical reaction between the portland or masonry cement and water accelerates the setting time of the mortar.

Accelerating the setting time of the mortar increases the early strength development. The faster set helps provide protection against frost damage in freezing weather. The result is that masons proceed in a normal manner in cold weather with less concern about frozen mortar. With no delays, production rises. Hard-N-Fast liquid will not change the color of mortars, nor will it contribute to efflorescence. Hard-N-Fast liquid can also be used in all temperatures to anchor "floaters" (dense, non-absorptive units that "swim" or "float" on the mortar bed), including glass block, stone and low-absorptive brick. Hard-N-Fast liquid allows the mortar to stiffen early, thereby eliminating the problems caused by these masonry units. Do not use Hard-N-Fast in hot weather, however, as it may cause a "flash" set.

Independent laboratory reports show that at 40° Hard-N-Fast liquid mortar reaches final set in substantially faster time than that of standard mortar. The report, which includes tests of other properties, is available upon request.

4. Technical Data

- Material: Chloride-free liquid accelerator
- Packaging: 5 Gallon pails or 55 gallon drums

MSDS available upon request

5. Installation

Hard-N-Fast liquid is added to the mixing water prior to the addition of portland and/or masonry cement and sand. Hard-N-Fast liquid should be completely diluted prior to adding dry materials. Mixing instructions are as follows:

Cold Weather above 15°

For portland cement-lime mortars:

Use two (2) quarts of Hard-N-Fast liquid with each bag of portland cement

For masonry cements:

Use one (1) quart of Hard-N-Fast liquid with each bag of masonry cement

Temperatures above 32° and floaters in warm weather

For portland cement-lime mortars:

Use up to two (2) quarts of Hard-N-Fast liquid for each bag of portland cement

For masonry cements:

Use up to one (1) quart of Hard-N-Fast liquid with each bag of masonry cement

In all temperatures, the exact quantity of Hard-N-Fast liquid can be adjusted slightly to suit preferences of the user as well as to adjust for ambient temperature.

Please contact the manufacturer for mixing instructions as it relates to preblended mortars.

6. Availability and Cost

All Illinois Products Corporation products and prices are available through a nationwide network of masonry and building supply distributors.

7. Warranty

The recommendations and properties attributed to the products are based upon what is believed to be reliable information. Illinois Products Corporation warrants materials to be of good quality and will replace unused material proven to be defective. No expressed or implied warranty of installed material is made because satisfactory results depend not only on product quality but also upon factors that are beyond IPCO's control.

Even though mortar with Hard-N-Fast liquid is better protected from the effects of cold weather than mortar without the benefit of acceleration, the use of Hard-N-Fast liquid does not eliminate the need for common sense, good construction practice, or standard winter precautions. It will, however, reduce the severity of the effect that winter and cold weather has on the ability of the masons to perform their duties and the negative impact cold weather has on mortar.

8. Maintenance

No maintenance is required after proper installation.

9. Technical Services

Contact the manufacturer for any required technical services. IPCO Material Safety Data Sheets should be read and understood by all personnel before using the products.

10. Filing Systems

Product information is available from the manufacturer in the following formats:

- Complete IPCO product line catalog in printed and CD formats



- Online access to all data sheets at: www.illinoisproducts.com



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