

# FAST-SET POWDER SET ACCELERATOR FOR MORTAR

## 1. Product Name

Fast-Set powder set accelerator

## 2. Manufacturer

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

Fast-Set chloride-based powder set accelerator is the original, powdered set-accelerating admixture for mortar. It is a pre-measured, white, dry powder exactly proportioned for each mortar batch. Each portion is packaged in a polyethylene bag with printed instructions.

Fast-Set speeds the chemical reaction between cement and water. This causes mortar to set faster and increases the early strength development. This faster set and its accompanying heat generation 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, thereby increasing production.

Fast-Set is not an "antifreeze", and therefore will not appreciably lower the freezing point of mortar or water. It will, however, raise the temperature of the mixing water slightly as it dissolves, and the chemical reaction between the portland or masonry cement and water accelerates the setting time of the mortar.

In all temperatures, Fast-Set will help anchor "floaters" (dense, non-absorptive units that "swim" or "float" on the mortar bed), including glass block, stone and low-absorptive brick. Fast-Set allows the mortar to stiffen early, thereby eliminating the problems caused by these masonry units.

Fast-Set's pre-measured bags assure consistent mixing and quality control. There is no field measuring of liquid accelerators which can be inexact and problematic.

Laboratory tests show that Fast-Set speeds the setting time of mortars considerably. Further testing indicates that Fast-Set does not contribute to efflorescence or change the color of mortars. Additional tests cover compressive strength and shrinkage. Complete reports are available upon request.

## 4. Technical Data

- Material: Chloride-based white powder accelerator
- Packaging: Clear plastic polyethylene bags with printed instructions

MSDS available upon request

## 5. Installation

Fast-Set powder is added to the mixing water prior to the addition of portland and/or masonry cement and sand. Fast-Set Powder should be completely dissolved prior to adding dry materials. Do not attempt to mix Fast-Set



Powder with the dry materials unless the Fast-Set has been dissolved first.

Mixing instructions are:

### Cold Weather between 15° and 32°

For portland cement-lime mortars:

Use two (2) bags of Fast-Set with each bag of portland cement

For masonry cements:

Use one (1) bag of Fast-Set with each bag of masonry cement

### Temperatures above 32° and floaters in warm weather

For portland cement-lime mortars:

Use up to two (2) bags of Fast-Set for each bag of portland cement

For masonry cements:

Use up to one (1) bag of Fast-Set with each bag of masonry cement

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 Fast-Set is better protected from the effects of cold weather than mortar without the benefit of acceleration, the use of Fast-Set 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. Fast-Set is not recommended for use with structurally reinforced masonry, nor when the structural integrity of the wall depends on wire reinforcing or wall ties.

If a non-chloride mortar set accelerator is desired, IPCO's Hard-N-Fast chloride-free powder set accelerator should be used.

## 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](http://www.illinoisproducts.com)



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