

## Product Description

Akona® Concrete/Masonry Set Accelerator is a ASTM C494, Type C, non-chloride, non-corrosive, liquid that improves workability and initial strength while it reduces the hydration time of cement. The product is recommended for use during cooler weather to accelerate set time and reduce the risk of frozen mortar and concrete mixes. It is also recommended for use when early strength gain is desired to speed up construction. Akona® Concrete/Masonry Set Accelerator provides a reduced curing time, faster set time and increased early strength. The product speeds finishing operations in any weather condition without any corrosive effects.

## When/Where to Use

- Interior / exterior
- Concrete & masonry projects
- To accelerate cement set time to decrease project time
- Freeze thaw conditions

## Advantages

- Non-Chloride Accelerator
- Non-Corrosive
- Meets ASTM C494 *Standard Specification for Chemical Admixtures for Concrete*
- Increases early compressive strengths of concrete or mortar
- Increases workability of concrete or mortar
- Accelerates initial/final set and curing time for concrete and mortar
- Allows earlier finishing of concrete and removal of concrete forms

## Package

1 Quart (32 ounces) / (.946 liters)

### Helpful Items:



## Mixing

Slowly stir product before use. Do not create bubbles or foaming by shaking the product. In most cases, substitute recommended "water addition" with equal amount of Akona® Concrete/Masonry Set Accelerator or follow packaged product manufacturer instructions for proper ratio.

## Application

Stir product before using. Intended for use when temperature is 20°F (-7°C) or higher and a faster set is desired. Follow typical water addition mixing instructions on the applicable cement, concrete or mortar bag. Combine the recommended amount of Akona® Concrete/Masonry Set Accelerator with sufficient water to provide the desired consistency of the mix. Set Accelerator is added directly to the mix water. Reduce the amount of water proportionally to compensate for the liquid addition. This product affects only the portland cement portion of the mix and is not antifreeze for the water portion. Protect set accelerator from freezing.

**Table I: Typical Addition Ratio**

| Product:                                  | Suggested Rate*:     |
|---|----------------------|
| 94 lbs. (42.6 kg)<br>Portland Cement      | 64 ounces (2 quarts) |
| 70-75lbs. (32-34 kg)<br>Masonry Cement    | 32 ounces (1 quart)  |
| 80 lbs. (36.6 kg)<br>Pre-blended Mortar   | 16 ounces (½ quart)  |
| 60 lbs. (27.2 kg)<br>Pre-blended Concrete | 8 ounces (¼ quart)   |

\* Typical addition ratio can be adjusted to achieve desired results

**Table II: Typical Set Time Properties:**

| Set Time             | 60 lbs. Concrete Mix |                        | Masonry Mortar—Type S |                        | Masonry Mortar—Type N |                        |
|----------------------|----------------------|------------------------|-----------------------|------------------------|-----------------------|------------------------|
|                      | Control:             | Akona Set Accelerator: | Control:              | Akona Set Accelerator: | Control:              | Akona Set Accelerator: |
| Initial Set (hr:min) | 3:30                 | 2:35                   | 2:50                  | 1:45                   | 3:45                  | 2:10                   |
| Final Set (hr:min)   | 5:10                 | 4:10                   | 5:00                  | 3:20                   | 7:00                  | 5:00                   |



## Warranty:

Seller warrants that its product will conform to and perform in accordance with the product specifications. The foregoing warranty is in lieu of all other warranties, express or implied, including, but not limited to, those including merchantability and fitness for a particular purpose. Because of the difficulty in ascertaining and measuring damages hereunder, it is agreed that, seller's liability to the buyer at no point for any particular project shall exceed the total purchase price of said product.

**WARNING: PROTECT FROM FREEZING**

**KEEP OUT OF REACH OF CHILDREN!**

## Precautions:

Avoid contact with eyes and skin. If contact with eyes occurs, flood eyes repeatedly with clean water and see a physician immediately. Do not rub eyes. Wash hands thoroughly after handling or before eating with warm, soapy water. Do not take internally. Keep out of reach of children.