

# AccuCast® WP-49

Integral Water-Repellent Admixture for Concrete and Masonry Products

## PRODUCT INFORMATION

### PACKAGING

Packaged in 55 gallon drums, 275 gallon totes, and in bulk.

### SHELF LIFE

36 months from date of manufacture.

### STORAGE

AccuCast® WP-49 will not freeze. Do not use pressurized air for agitation.

## DESCRIPTION

AccuCast® WP-49 is a non-chloride, non-corrosive liquid water-repellent admixture that is mixed throughout the concrete mix of normal, medium, lightweight concrete block, and other concrete products.

AccuCast® WP-49 provides resistance to water penetration by reacting with the cement to form strong water repellency throughout the masonry units and concrete structures within. Unique chemistry is proven to effectively prevent moisture from penetrating concrete masonry walls and concrete structures.

## APPLICATIONS

- Concrete Block (normal, medium, and lightweight)
- Paving Stones
- Roofing tile
- Concrete Brick

## DOSAGE RATES AND DIRECTIONS FOR USE

The recommended dosage range for AccuCast® WP-49 is 4 to 8 oz/cwt of cementitious material. (325 to 780 mL/100 kg)

For best results, each admixture must be batched at separate intervals with the initial or final batch water, and should not come in direct contact with any other admixture until they are mixed in the concrete batch. Admixtures should not come in contact with any dry cementitious material.

## TECHNICAL NOTES

AccuCast® WP-49 is compatible with Portland cements, Portland limestone cements, blended cements, class C and F fly ash, slag cements, silica fume, calcium chloride, fibers, air-entraining and water-reducing admixtures. AccuCast® WP-49 can be used in all white, colored, and architectural concrete.

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## PRECAUTIONS/LIMITATIONS

**AccuCast® WP-49** is to be added either together or right after the mixing water is batched into the concrete. It is important that it is not added along with other additives at the same time being this may cause a negative reaction with the concrete itself. So if you are also using different additives be sure to add the chemical in a separate sequence.

Efflorescence occurs when excess calcium salts become soluble again from moisture in the environment around the concrete or masonry unit. External sources of moisture can be humidity, rainfall, condensation, or snow etc. When these salts become soluble, they migrate to the surface during the evaporation process, consequently, staining the surface.

**AccuCast® WP-49**, as mentioned earlier, effectively reduces moisture from penetrating the surface and may be helpful in stopping salts from becoming soluble and migrating to the surface. It is important to point out though, that the addition of **AccuCast® WP-49** alone, will not guarantee the control of efflorescence.

This product does not contain calcium chloride or chloride containing compounds, and any chloride ions present are in trace amounts resulting from municipal water used during the manufacturing process.

This product is compatible with most other admixtures when added to the mix separately. Always conduct trial batches, prior to job applications, to confirm compatibility and to verify mix results. Contact your technical sales representative before dosing outside of recommended ranges or for assistance with specialty applications.

In all cases, consult the safety data sheet prior to use.