



# INTEGRAL WATERPELLER®

WATER REPELLENT ADMIXTURE FOR CONCRETE AND MORTAR

EUCLID CHEMICAL

MORTAR ADMIXTURES

INTEGRAL WATER REPELLER

MASTER FORMAT #:  
00 92 09

## DESCRIPTION

INTEGRAL WATERPELLER is a balanced blend of stearate water repellents and other chemicals which, when used as an admixture, forms an internal barrier against water penetration. INTEGRAL WATERPELLER also increases the plasticity of mortar, reduces water absorption and thereby guards against freeze-thaw damage. It is available in powdered form without chlorides or in a liquid formula which contains chlorides for additional densification and acceleration of the mortar or concrete. INTEGRAL WATERPELLER will not increase the air content of mortar or concrete.

## PRIMARY APPLICATIONS

- Mass concrete
- Foundation walls
- Floors
- Cement stucco
- Mortar for setting masonry and glass block

## FEATURES / BENEFITS

- Reduces moisture absorption as much as 60%
- Reduces capillary action
- Reduces vapor transmission through walls and slabs
- Provides greater workability
- Does not effect bond strength of mortar

## TECHNICAL INFORMATION

### Typical Engineering Data

#### Appearance

INTEGRAL WATERPELLER liquid has an amber color.

INTEGRAL WATERPELLER powder is a white powdery material.

TEST RESULTS	ABSORPTION RATIO FED. SPEC. SS-C-181B	RELATIVE ABSORPTION	CONCRETE ABSORPTION TOTAL IMMERSION	
			10 minutes	24 Hours
Plain Mortar	0.34	100%	1.28%	4.10%
Mortar with "Dry" Waterpeller	0.18	53%	0.47%	0.65%
Mortar with "Liquid" Waterpeller	0.16	47%	-	-

## PACKAGING

INTEGRAL WATERPELLER LIQUID is packaged in 208 L drums and 18.9 L buckets. INTEGRAL WATERPELLER POWDER is available in 11.3 kg bags.

## SHELF LIFE

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1 year in original, unopened package.

## SPECIFICATIONS / COMPLIANCES

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- INTEGRAL WATERPELLER is approved for use by The Veterans Administration and by The City of Cleveland Board of Building Standards & Appeals.

## DOSAGE RATES

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3.9 to 5.7 L liquid or 1.8 to 2.7 kg powder of INTEGRAL WATERPELLER will treat .76m<sup>3</sup> of concrete or mortar.

## DIRECTIONS FOR USE

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Add INTEGRAL WATERPELLER to concrete or mortar in the following proportions:

**Liquid:** 0.95 L per 42.7 kg bag of cement

**Powder:** 0.45 kg per 42.7 kg bag of cement. 114g per bag of prepared mortar.

In cement-lime mortar the above quantities should be added for each 0.03m<sup>3</sup> of lime, in addition to the quantity added for each bag of cement. INTEGRAL WATERPELLER may be added to the mix after all other components have been added.

**Note:** The Euclid Chemical Company recommends the contractor follow typical cold weather concreting practices such as the guidelines in ACI 306, Standard Specification for Cold Weather Concreting.

## CLEAN UP

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Clean tools and equipment with water before material hardens.

## PRECAUTIONS / LIMITATIONS

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- Liquid INTEGRAL WATERPELLER must be stored above 0°C.
- In all cases, consult the Safety Data Sheet before use.

Rev: 12/05/17