

# INTEGRAL WATERPELLER

## WATER REPELLANT ADMIXTURE FOR CONCRETE AND MORTAR

### DESCRIPTION

**INTEGRAL WATERPELLER** is a balanced blend of stearate water repellants 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 55 gal (208 L) drums and 5 gal (18.9 L) pails. INTEGRAL WATERPELLER POWDER is available in 25 lb (11.3 kg) bags.



## The Euclid Chemical Company

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## SHELF LIFE

1 year in original, unopened package.

## SPECIFICATIONS/COMPLIANCES

INTEGRAL WATERPELLER is approved for use by The Veterans Administration.

## DOSAGE RATES

1 to 1½ gal (3.9 to 5.7 L) liquid or 4 to 6 lb (1.8 to 2.7 kg) powder of INTEGRAL WATERPELLER will treat 1 yd<sup>3</sup> (0.76 m<sup>3</sup>) of concrete or mortar.

## DIRECTIONS FOR USE

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

**Liquid:** 1 qt (0.95 L) per 94 lb (42.7 kg) bag of cement

**Powder:** 1 lb (0.45 kg) per 94 lb (42.7 kg) bag of cement. 1/4 lb per bag of prepared mortar.

In cement-lime mortar the above quantities should be added for each 1 ft<sup>3</sup> (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: Follow cold weather concreting practices such as those detailed in ACI 306, Standard Specification for Cold Weather Concreting.

## CLEAN-UP

Clean tools and equipment with water before mortar hardens.

## PRECAUTIONS/LIMITATIONS

- Liquid INTEGRAL WATERPELLER must be stored above 32°F (0°C).
- In all cases, consult the Material Safety Data Sheet before use.

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