

# DURALITE® PREMIUM BOND

Single component bonding cement and primer



Duralite® Premium Bond is a polymer modified Portland cement based product, designed for use as a base coating and adhesive for expanded polystyrene (EPS) foam shapes. It is ideal as a base coat for Monolite® Stucco Color Coat Finishes.

## PACKAGING:

Duralite® Premium Bond is available in 50 lb. (22.7 kg) bags, 50 bags per pallet.

## STORAGE:

Store under cool dry conditions. Properly stored, Duralite® Premium Bond has a shelf life of approximately six (6) months from the date of manufacture.

## COVERAGE:

Approximate coverage when applied according to manufacturers recommendations is 50-70 sq.ft. per bag.

## JOB PROCEDURE:

### MIXING

- 1) Premium Bond requires approximately 1 to 1-1/2 gallons of clean potable water for each 50 lb. bag.
- 2) Using a slow speed, initial mixing should be stiff (less water) and then gradually loosened up by adding more water.
- 3) Mix thoroughly for 3-5 minutes using a mechanical mixer such as a drill motor with mixing paddle.
- 4) Stop mixing and allow material to stand for five minutes, then remix to break the initial set.

### APPLICATION

- 1) For use as an adhesive, mix to a heavy paste like consistency. Prior to application over brown coat, moisture should be applied to the substrate to control the suction. Evenly apply 1/4" of Premium Bond to the back of the EPS foam shape and press into place, sliding it back and forth into final position. Allow a minimum cure period of 24 hours before performing any additional work on the adhered shape.
- 2) For use as a base coat, Duralite® Premium Bond may be machine or hand applied to a thickness of 3/16" to 1/4" to the foam shape. Allow a minimum of 24 hours before applying a Monolite® exterior finish over the coated EPS shape.

## LIMITATIONS/CAUTIONS:

- 1) Duralite® PB should not be used when temperature exceeds 110°F (43°C) or will fall below 40°F (4°C) within 24 hours of application.
- 2) Duralite® PB should not be used if there are contaminants such as dust, debris, efflorescence and or oils on the receiving surface.
- 3) Monolite recommends the use of fiberglass mesh over entire surface of EPS foam. Using mesh will increase impact resistance and may be necessary in areas of high traffic.
- 4) Always wear proper safety equipment, including particle mask, when mixing this product.

## CLEANING:

Immediately clean all tools and mixing equipment with water after use.

## MATERIAL STANDARDS:

Portland Cement: UBC 24-3  
Silica Sand: ASTM C-144

## TECHNICAL DATA:

Test	Requirement	Typical Values
Bucket Life @ 70°F		3 hours 20 min.
Compressive Strength	1-Day	>650 psi
Compressive Strength (ASTM C-109)	28-Day	>2,500 psi

Shrinkage (ASTM-C-157)  
Bond to Cement (ASTM-C-882)  
Water Absorption (ASTM-C-672)  
Tension Bond (ASTM-C-297)

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## Monolite Stucco Products

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