



## DIVERGENT PRIME / BLOCK AND REDUCE "PBR"

### DESCRIPTION

Divergent Adhesives Prime / Block and Reduce, (PBR) is a solvent free, polymer based product that provides moisture protection while priming the concrete slab. This product will seal the surface of the concrete for improved adhesion and will block moisture up to 12 lbs per 1000 square feet per 24 hours, when tested in accordance with current ASTM F1869 or up to 90% rH when tested in accordance with current ASTM F2170. If elevated moisture levels are not present, it can be used to encapsulate old adhesive residue to prevent migration of old adhesive into the new adhesive. Moisture levels MUST be below 5 lbs and/or 85% to be used as an encapsulant.

### Packaging

- › 4 Gallon Pail

### RECOMMENDED SUBSTRATES:

- › Concrete
- › Exterior grade plywood
- › Lightweight concrete
- › Underlayment – self levelers, patching compound, skim coat (Primer for Portland or Gypsum)

### COVERAGE:

Encapsulant – 2 Coats – 225 sq/ft/gallon

Moisture Reducer – 1 Coat – 300 sq/ft/gallon (up to 9 lbs / 85%)

Moisture Reducer – 2 Coats – 225 sq/ft/gallon (up to 12 lbs / 90%)

### SUBSTRATE PREPARATION

All substrates should be prepared in accordance with flooring manufacturers guidelines and/ or ASTM F710. For moisture protection, the substrate MUST be porous. Moisture tests are required on all concrete subfloors regardless of age or elevation. Moisture testing must be performed in accordance with the most current ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride, with levels not to exceed 12 lbs. per 24 hours per 1000 sf and ASTM F2170 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes with readings not exceeding 90%. The limit for pH is 11. Porosity testing MUST be performed when moisture protection is required. Perform porosity test in accordance with ASTM F3191, place a droplet of water on the surface of the slab and evaluate for 60 +/- 5 seconds. If the water does not absorb into the slab, it MUST be considered non-porous. Fill any expansion or control joints with a urethane joint filler to ensure PBR covers the joint with an intact film.

### ENCAPSULANT:

Residue is defined as no adhesive ridges and smooth to the touch. Covering existing adhesive residue requires 2 coats of PBR. Pour material into a paint tray (NEVER pour material directly on substrate). Spread the first coat using a 3/8" nap roller, fully covering the existing adhesive. Allow the material to dry, approximately 1 hour. Apply the second coat, perpendicular to the first coat. The second coat will require much less material and will take 24 hours to dry before patching or adhesive can be applied. Once applied the concrete substrate will be non-porous, most adhesives are approved for direct application to the PBR.

### BOND TEST:

**Divergent requires 72 hour bond tests to be performed prior to installation of finished floor covering. This will ensure compatibility of flooring system with PBR. Bond tests should be a minimum of 24" x 24".**



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## RESTRICTIONS

- › **Substrate must be porous for moisture protection**
- › Do not use over asbestos
- › Do not use over expansion joints without urethane sealer
- › Do not use when pH is above 11
- › Do not use when mver levels are above 12 lb's when tested in accordance with current ASTM F1869
- › Do not use when rh levels are above 90% when tested in accordance with current ASTM F2170
- › Do not use where hydrostatic pressure is present

## CLEAN UP

Divergent PBR can be cleaned using warm water and soap while wet. Once dried, PBR will need to be cleaned with Mineral Spirits or scraped / mechanically removed.

## SHELF LIFE

Unopened packaging stored in proper conditions have a 1 year shelf life.

## WARRANTY

Divergent Adhesives LLC. Offers a limited liability warranty for this material when used in accordance with the label and TDS.



## OUR EXPERIENCE ENSURES YOUR SUCCESS

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