



# DS-100 UNIVERSAL PRIMER AND MOISTURE CONTROL

Divergent DS-100 is a patented water-based copolymer product designed to treat interior moisture vapor emission (up to 25 lbs. per ASTM F1869 or up to 100%RH when tested in accordance with ASTM F2170) and protect against Alkalinity (up to 14 pH) prior to installation of moisture or alkaline sensitive floor coverings. Do not use with urethane, MS or epoxy adhesives without a 1/16" layer of a Portland-based compound between the adhesive and DS-100.

**Packaging: 5 gallon pail**



## Key Features

- › Primer and Moisture Mitigation System
- › Delivers superior and permanent moisture control
- › No specific CSP required
- › Dries clear and is both penetrating and micro-film forming
- › Quick-drying, ready for floor covering in 60-minutes or less
- › Exceeds ASTM F3010 requirements for vapor reduction when tested in accordance with ASTM E96 (<0.1 perm)
- › Water-based, non-toxic, Zero (0) VOC
- › Designed for rapid turnaround with maximum protection



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## WHERE TO USE

- › New or existing lightweight or structural concrete substrates
- › INTERIOR USE ONLY
- › Concrete substrate must be clean and breathable
- › Beneath moisture or alkaline sensitive floor covering

## LIMITATIONS

- › Do not install over substrates containing asbestos
- › Do not use over non-porous substrates
- › Ambient and concrete surface temperatures must be at least 40°F
- › Optimum installation temperatures are between 45°F and 100°F
- › Do not allow product to freeze
- › Do not thin product
- › Do not install over patch or leveling products

## MIXING AND PRODUCT APPLICATION

- › Agitate product by hand to ensure a uniform consistency prior to application.
- › Do not use high-speed mixing method.
- › Best results are achieved by dipping roller in bucket or roller tray.
- › Do not pour material directly on substrate as this will not provide uniform coverage
- › Saturate a 3/8" roller and apply uniformly in a singular direction (North-South). Wait approximately 30 minutes (or until dry to the touch), then cross roll (East-West) a second coat in the opposite direction.
- › For substrates with a CSP of 3 or greater utilize a secondary application method utilizing a 3/8" roller and follow the rolling with an exploded tip plastic broom and back broom material to ensure uniform coverage still applying in 2 coat method described above.
- › Do not allow to puddle.
- › No additional priming necessary when applying cementitious patching or leveling product, or adhesives for finished flooring.
- › **In accordance with some manufacturer's specifications, some adhesives or flooring, may require a cementitious blotter layer applied after installation of DS-100 and prior to flooring installation.**
- › Ready for finished flooring in 30-60 minutes.

## SURFACE PREPARATION

- › Concrete subfloors must be clean, porous, and structurally sound in accordance with ASTM F710 Standard Practice for Preparing Concrete Floors to receive resilient flooring.
- › All substrates must be structurally sound and free from any contaminants that may inhibit product's ability to properly penetrate and/or bonding of patching/adhesives/finished flooring product, including oil, grease, dust, paint, sealer, floor finishes, curing compounds and adhesives.

- › Weak or contaminated surfaces must be mechanically removed.
- › A specific CSP is not required, however thickness of surface removed must be deep enough to eliminate penetrated contaminants.
- › The type of mechanical cleaning is determined by the type and depth of contaminant to be removed.
- › Utilize ASTM F3191 Standard Practice for Determination of Substrate Absorption (Porosity) as an additional test procedure to ensure that substrate is clean and porous. Water droplets must absorb within 60 seconds.
- › Multiple test spots must be performed throughout all areas to receive DS-100.
- › Dew point is the temperature at which the humidity in the air begins to condense on a surface. Floor coverings and adhesives SHALL not be installed any time the air temperature or concrete surface temperature is within 5 degrees of dew point.
- › Once DS-100 is fully dried, the surface will be non-porous. You MUST follow adhesive and underlayment manufacturer's installation instructions for a non-porous substrate.

## PRODUCT PERFORMANCE PROPERTIES

VOC's	0 g/l
Net Permeance	<0.1 perms
Coverage	200-250 sq ft / US gallon*
Dry Time (73° / 50% RH)	60 minutes
Resistance to Alkalinity	ASTM 1308 5% NaOH / 10% HCL 48-hours No Pinholes, discoloration, or disintegration

\*Coverage may vary based on substrate conditions, waste, or other non-controllable circumstances.

## PACKAGING AND HANDLING

Packaging	5 gallon pail (18.9L)
Shelf Life	12 months unopened
Consistency	Liquid
Color	White, dries clear
Storage Range	Between 65°F - 90°F

## CSI DIVISION CLASSIFICATION

Vapor Control for Flooring	090561.13
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## FOR PROFESSIONAL USE ONLY

DS-100 is intended for use by trained professionals only. Refer to product SDS for specific data related to health, safety, and handling precautions.

## CLEANUP

Clean tools and equipment with soap and water immediately after use. Dispose of all materials in accordance with local, state, and federal regulations.



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