Product Information

BDC GPD ***Grafted Polymer Dispersion***

Description:

BDC Grafted Polymer Dispersion (GPD) is an extremely versatile clear sealer and concrete coating. The excellent water, alkali, and efflorescence resistance of this product, in combination with its exterior durability and its ability to adhere to a variety of substrates, allow it to be used in many applications. BDC GPD is a chemical resistant top coat with excellent alkali and hot tire resistance.

BDC GPD is available in a Gloss and Satin finish.

Advantages:

- ***Hot-Tire Resistant***
- ***Abrasion resistant***
- ***Fast drying***
- ***Chemical resistant***
- ***Easy to use***
- ***Stain & UV Resistant***
- ***SCAQMD VOC Compliant***
- ***Qualifies for LEED IEQ Credit 4.2***
- ***Non-Yellowing***
- ***Good Efflorescence Blocking***
- ***Good Early Blush Resistance***

***Uses*:**

For interior and exterior surfaces.
Concrete Floors, Driveways, Walkways, Patios, Pavers, Brick Walls, Wood Surfaces

Surface Preparation:

Clean the floors to be coated by removing any oil, grease, or other contaminants that might interfere with the proper adhesion of the B.D. Classic GPD. Ensure that floors are structurally sound and fully cured a minimum of 28 days. Test the floor for vapor drive in accordance with ASTM D4263. Mechanical profiling is the preferred floor-preparation method. Mechanically profile the floor to a medium-grit sandpaper texture and remove curing and parting compounds and other surface hardeners and floor coatings. Acid may be used to etch bare concrete floors to the proper profile when mechanical abrasion is impractical. Make sure the surface is thoroughly clean before etching. Etch all unpainted cement with 1 part 10% muriatic acid to 1 part water. Allow to stand 10-15 minutes then rinse clean with water. After etching, neutralize acid with baking soda or soda ash then rinse thoroughly with water. A properly etched concrete surface should resemble the texture of fine or medium sandpaper. Let dry thoroughly before applying coating. Apply a test area to ensure proper adhesion.

Coverage Rates:

BDC GPD may be rolled, brushed or sprayed. The coverage will vary with surface porosity and profile. You can expect 300 to 400 square feet per gallon on a smooth surface and between 250 to 350 square feet per gallon on a rough surface. For best results apply two thin coats.

***Application*:**

BDC GPD can be applied using a paint brush, ¼" nap roller, or spray gun. For heavier textures, use a 3/8" nap roller cover. Do not shake. Shaking will cause air bubbles. Stir gently and thoroughly before application. This product appears milky when wet, but dries rapidly to a beautiful, clear, glossy coating.

Note: If applying BDC GPD Satin over a porous substrate, ALWAYS prime the surface first with 1 coat of GPD Gloss. Otherwise, the flattening agents in the Satin may leave an unwanted, hard, white crust if allowed to penetrate.

IMPORTANT: Clear sealers and top coats may change the color of the substrate. Apply a sample area of the surface prior to application to determine the extent of the color change. Be sure the sample area is completely dry before making your determination. When applying, it is important to apply material in two thin coats. Appling material too heavily may result in the finish having a milky appearance. BDC is not responsible for color change and appearance once the finish is applied. Do not apply late in the day or when dew, rain, fog or mist is likely (moisture will damage the fresh paint film). Apply at temperatures above 40 degrees F. Do not apply if temperatures below 40 degrees are expected within 24 hours. Cold weather or excess humidity or a sudden temperature drop will greatly affect any finish at the time of application. Dampness can dull the gloss. Do not paint in direct sun. Use a clean brush or roller. For maximum durability, we recommend at least two thin coats.

Drying Time:

Dries within 30-45 minutes and can be recoated in 4 hours. Ready for use 12 hours. Drying time will vary with weather conditions, air circulation and temperature.

Thinning:

Thinning can be done with up to 20% water.

Clean-up:

Uncured material can be removed with a soap and warm water. All empty containers must be disposed of according to local, state, and federal regulations.

Storage

B.D. Classic Enterprises has determined that the shelf life of BDC GPD is twelve months from the date of shipment receipt when the product is stored between temperatures of 5 °C to 25°C in its original, unopened packaging. BDC GPD must be protected from freezing in its original form of supply.

Safety

Before using this or any other BDC product, please consult the MSDS. Always wear protective clothing, eye protection, and filtered masks when mixing or using product. Wash hands after using products. Keep away from children. Material contains no ingredients which are required to be listed by OSHA per 29 CFF 1910, 1200.

KEEP OUT OF REACH OF CHILDREN

NON-PHOTOCHEMICALLY REACTIVE (Less than 4%)

Warranty

B.D. Classic Enterprises guarantees that this product is free from manufacturing defects and complies with our published specifications. In the event that the buyer proves that the goods received do not conform to these specifications or were defectively manufactured, the buyer's remedies shall be limited to either the return of the goods and repayment of the purchase price or replacement of the defective material at the option of the seller. B.D. Classic makes no other warranty, expressed or implied, and all warranties of merchantability and fitness for a particular purpose are hereby disclaimed. Manufacturer or seller shall not be liable for prospective profits or consequential damages resulting from the use of this product. Manufacturer shall not be liable for material used outside of its shelf life. For product dating, please refer to the batch number on the product or contact B.D. Classic.

Chemical Resistance (GPD Cured 1 week) Testing Done after 60 minutes contact	(0 = Worst, 10 = Best)
Water	10
Alkali	10
Transmission Fluid	9
Gasoline	8
Formula 409	9
Motor Oil	9
Brake Fluid	5
Chlorine	8
Mustard	9
Grape Juice	10

Typical Properties	Unit	Value
Appearance		Off-white
Dynamic Viscosity Brookfield RVT, Spindle 2, 50 rpm	cP	150 – 250
Solids Content (by weight)	%	31
Weight/Gal	Lb/Gal	8.5
Gloss Level	Gloss	85 +/- 5
	Satin	25 +/- 5
VOC (g/l)	Coating	42
	Material	14
Cross-Hatch Adhesion - DRY CONCRETE - WET CONCRETE		Excellent Very Good
Abrasion Resistance (ASTM D4060.95)		88 mg loss of coating
Efflorescence Resistance		Very Good
Blush Resistance		Excellent
Hot Tire Pickup Resistance		Very Good