

ST-RMDRYGRT-02 - 2 GAL  
 ST-RMDRYGTA-05 - 5 GAL, PART A  
 ST-RMDRYGTB-05 - 5 GAL, PART B  
 (SEE PAGE 3 FOR ALL PART NUMBERS)

DPG is a two-component, 95% solids structural polyurethane/polyurea hybrid. When cured, DPG is a rigid structural polymer with a Shore D Hardness of 70–75. It was developed to fill or repair micro-level concrete floor surface imperfections such as air holes, sand aggregate pops, surface pitting, scratches and gouges, and more. DPG can also be mixed with sand aggregate or Rapid Set® TRU®, TRU® PC, and TRU® SP to create a repair mortar suitable for joints, cracks, and larger surface defects.

DPG is designed for use in commercial or retail polished concrete floors where final building temperatures are 32°F (0°C) to +120°F (49°C). Also designed for use with a Color Pack. An Accelerator Pack which reduces potlife and grind time is also available.

## LIMITATIONS

- DPG is designed primarily for fine grouting and not for use in repairing surface defects larger than 1/4" unless modified with sand aggregate or Rapid Set® TRU®, TRU® PC, and TRU® SP
- Depending upon surface conditions and/or environmental conditions, more than one coat of product may be required.
- DPG may display a slight color change or shifting if exposed to UV emitting lighting sources.
- DPG will display a moisture reaction on damp or wet surfaces; repair area should be dry.

## COLORS

The DPG system is designed to be used only with the addition of one of 9 available Color Packs. There is no Neutral or Clear/Natural color available. If the DPG kit is mixed without a Color Pack, the cured material will have a milky white appearance. Color Packs must be thoroughly blended into DPG Part A (Polyol) prior to mixing the DPG Part A (Polyol) with the DPG Part B (ISO) at a 1:1 ratio.

A Color Pack is included as part of the DPG 2 Gallon Kit and 5 Color Packs as part of the DPG 10 Gallon Kit. Available colors are as follows: Galveston Gray, Bear Creek, Dragon's Breath, New Chestnut, Iron Gate, Taupe Tone, Jet Black, Kendall Charcoal, and Middlebury Brown.

## TECHNICAL PROPERTIES

### VISCOSITY PROFILE

<b>PART A</b>	199 cps
<b>PART B</b>	178 cps
<b>MIXED</b>	190 cps

### REACTION PROFILE

<b>POT LIFE (100 GRAMS AT 74°F)</b>	5 minutes
<b>WORKING TIME (ON FLOOR)</b>	5–8 minutes
<b>TACK-FREE TIME</b>	20–30 minutes
<b>GRINDABLE</b>	40 minutes

### TYPICAL PHYSICAL PROPERTIES

<b>SHORE D HARDNESS</b>	70–75
<b>COMPRESSIVE STRENGTH (ASTM D-638), PSI</b>	4,767
<b>TEAR STRENGTH (ASTM D-624), PSI</b>	284
<b>TENSILE STRENGTH (ASTM D-412), PSI</b>	4,184
<b>ELONGATION (ASTM D-412), %</b>	2.8
<b>VOC Content</b>	47 g/f
<b>MIX RATIO BY VOLUME</b>	1:1
<b>ODOR</b>	Minimal
<b>Shrinkage</b>	Negligible

## PROJECT CONDITIONS

DPG is designed for use in concrete floors at temperatures of 32°F (0°C) or higher. If temperatures are lower, it will extend initial cure time.

DPG is moisture sensitive. Concrete should always be clean and dry before installation of material. If moisture is present, the material will display bubbling/moisture reaction.

For best defect penetration, the floor should be thoroughly cleaned using a scrubber with dry brushes and vacuumed properly.

### Use with Concrete Grinding/Polishing Operations

When sequencing product installation as part of a concrete grinding/polishing process, install prior to your last metal or transitional tooling step. Make sure to use the least aggressive tooling which will successfully remove the product and avoid opening more air holes/voids in the floor surface.

### Defect Preparation and Repair

Remove all loose concrete chips, islands, spalls, etc. back to structurally sound concrete. Repair area should be completely free of all debris, dirt, dust, oils, and moisture prior to application of material. For best defect penetration, the floor should be thoroughly prepared mechanically with abrasive brushes and vacuumed clean.

#### Surface Defects/Spalls

For best results in achieving a flush repair surface profile, we recommend pre-filling any defects larger than a ¼" diameter flush or slightly high with modification material added to DPG. DPG can be modified with dried sand aggregate at a ratio of 1 part DPG liquid: 2–2.5 parts modifier. If using modified DPG, allow for adequate cure time prior to grinding/grouting (typically 2 hours).

#### Random Cracks

Cracks up to 1/8" in width should be cleaned using a Nyalox wheel, soft wire wheel or brush and vacuumed prior to filling. Fill/overfill crack with DPG and allow material to cure slightly (approx. 15 minutes) prior to coating entire floor area with DPG. For wider cracks or cracks where you suspect continual movement, use an alternate blade to a depth of ½" to ¾" and fill the crack with a semi-rigid joint filler.

### Coverage

Coverage varies dependent upon porosity of floor, profile after initial grinding, and number and severity of surface deficiencies. A general guideline you can use: expected coverage is 435 sq ft – 875 sq ft per gallon.

### Installation

#### Color Packs

Each DPG Color Pack colors one gallon of Part A Polyol. Empty the entire contents of the pouch by squeezing or rolling the pouch contents into one gallon of Part A polyol and thoroughly mix until uniform color is achieved. After pigmenting, mix Part A Polyol with Part B ISO at a 1:1 ratio as outlined below. For a 10 gallon unit, use 5 DPG Color Packs in one Part A Polyol Pail. Important note: DPG is designed for use with a Color Pack. If no Color Pack is used, the product will not cure translucent, neutral, or amber in color.

#### Mixing

Material should be preconditioned to 65°F to 75°F for best results and designed work time. DPG should be mixed at a 1A:1B ration by volume. Upon combining Part A & Part B, the mixture should promptly be mechanically mixed with a helix paint mixer or similar for 45 seconds using a slow-speed drill until thoroughly blended prior to applying material to floor.

If modifying DPG for use in repairs with dried sand aggregate or Rapid Set® TRU® and TRU® PC, thoroughly blend added material. The recommended ratio for modification is 2 to 2.5 parts added material to 1 Part DPG (by volume), depending on desired mix and finished appearance.

#### Application Conditions

The surface must be thoroughly dry prior to application of DPG.

#### Application Timing (Ground/Polishing Concrete)

Install DPG prior to your last metal or transitional step. If your initial cut is executed wet, you must allow the floor to dry out adequately prior to placement of DPG.

## APPLICATION

Apply material generously on the floor and work into the surface using a metal smoother, screeding device, or rigid-edged trowel. Always monitor the surface for air holes resulting from entrapped air and re-apply as necessary. In some cases, more than one coat will be required for best results. If two coats are desired, the first coat should be ground off prior to installing a second. It is very important to monitor the viscosity and spreadability of the product during the application process. When product begins to thicken and application is more labored, it will not penetrate surface pores as effectively. We recommend to mix only manageable batches that can be dispensed quickly with available labor. We also recommend starting with a 16 oz mixture (8 oz Part A: 8 oz Part B) to establish workable batch sizes.

Important Note: Material and/or concrete surface temperature will affect working application time.

### Product Removal (When Used as Grout)

For best results in removing cured DPG cap/film, use 80/120 metals or transitional diamonds. Make sure to use the least aggressive tooling possible to avoid the exposure of additional holes or imperfections. Removal of cured product should always be performed as soon as cure allows. Earliest removal time is typically 40 minutes (20 minutes if using Accelerator Pack). The latest removal time we recommend is 1 and 1/2 hours after placement. Longer delays will result in a more difficult process for removing product and potential need to use more aggressive tooling. These times may vary depending on temperature of product and concrete surface and type of equipment and tooling used.

### Product Removal (When Used as Repair Material)

When DPG is used as a repair mortar it should be allowed to cure for 2 hours or more prior to removing overfill material. Overfill can be removed with a diamond cup wheel or similar. If pin holes are present at the surface, fine grouting with additional DPG neat may be necessary.

## SAFETY INFORMATION

Always read full label and SDS for precautionary instructions before use. Use appropriate safety equipment and job site controls during application and handling.

**24-Hour Emergency Information:  
INFOTRAC at 800-535-5053**

## WARRANTY

The information and recommendations made are based on our own research and the research of others, and are believed to be accurate. However, no guarantee of their accuracy is made because we cannot cover every possible application of our products, nor anticipate every variation encountered in masonry surfaces, job conditions and methods used. The purchasers shall make their own tests to determine the suitability of such products for a particular purpose.

Jon-Don warrants this product to be free from defects. Where permitted by law, Jon-Don makes no other warranties with respect to this product, express or implied, including without limitation the implied warranties of merchantability or fitness for particular purpose. The purchaser shall be responsible to make his own tests to determine the suitability of this product for his particular purpose. Jon-Don's liability shall be limited in all events to supplying sufficient product to re-treat the specific areas to which defective product has been applied. Acceptance and use of this product absolves Jon-Don from any other liability, from whatever source, including liability for incidental, consequential or resultant damages whether due to breach of warranty, negligence or strict liability. This warranty may not be modified or extended by representatives of Jon-Don, its distributors or dealers.

## CUSTOMER CARE

For product, environmental and job safety assistance call a Jon-Don Concrete Sales Representative at 800-556-6366. You can also find more high-quality REFINE-MAXX concrete products online at [www.jondon.com/maxx](http://www.jondon.com/maxx).

### Part Numbers:

ST-RMDRYGRT-02	2 GALLON KIT	
ST-RMDRYGTA-05	5 GALLON, PART A	
ST-RMDRYGTB-05	5 GALLON, PART B	
ST-RMCPGVGY-EA	COLOR PACK	GALVESTON GRAY
ST-RMCPBEAR-EA	COLOR PACK	BEAR CREEK
ST-RMCPDRGN-EA	COLOR PACK	DRAGON'S BREATH
ST-RMCPCTNT-EA	COLOR PACK	NEW CHESTNUT
ST-RMCPIRON-EA	COLOR PACK	IRON GATE
ST-RMCPPTNE-EA	COLOR PACK	TAUPE TONE
ST-RMCPJETB-EA	COLOR PACK	JET BLACK
ST-RMCPCHAR-EA	COLOR PACK	KENDALL CHARCOAL
ST-RMCPMBRN-EA	COLOR PACK	MIDDLEBURY BROWN