

DURANT

PERFORMANCE COATINGS

112 RAILROAD ST., REVERE, MA 02151
P 800.420.0021 / 781.289.1400 / F 781.289.1405
www.durantcorp.com

PRODUCT DATA SHEET

DUR-O-BOND® P1000

Pourable/Sprayable Fiberglass Compound

CHEMICAL FAMILY: UNSATURATED POLYESTER RESIN

PRODUCT DESCRIPTION:

- **DUR-O-BOND P1000** is a low viscosity, ceramic polyester resin compound engineered for superior bonding and flexural strength for use between the gel coat and the laminate layer in polyester and vinylester marine and industrial building applications.
- Low Viscosity - **DUR-O-BOND P1000** may be poured or sprayed into gaps and difficult to reach locations to help eliminate trapped air and fiberglass print thru.
- Excellent adhesion - **DUR-O-BOND P1000** bonds to multiple substrates, including FRP composites, wood and core materials.
- Highly Flexible - **DUR-O-BOND P1000** flexible matrix design resists cracking.
- Adjustable Dry Times - **DUR-O-BOND P1000** is a two-component system, utilizing a MEKP hardener that may be regulated to adjust dry times.

PRODUCT SPECIFICATIONS:

- Color / Odor: Gray with strong styrene odor
- Viscosity: [RVDVII, 50RPM, RV5]: 4,000 cps avg.
- Weight / Gallon: ~ 10 lbs
- VOC wt/gl: 2.64lbs [VOC wt/gl post cure: 0 lbs]
- Shelf Life: 12 months unopened (25°C)

Average Physical Testing Results		
Test	ASTM	Result
Tensile Strength (psi)	D- 638	1000
Tensile Modulus (ksi)	D- 638	100
Tensile Elongation (%)	D- 638	20
Flexural Strength (psi)	D- 790	1100
Compression Strength (psi)	D695-02a	4000
Tangent Modulus (ksi)	D- 790	50
Shore D Hardness 1hr	D- 2240	50-55
Shore D Hardness 24hr	D- 2240	70-75

CATALYZATION / GEL TIMES:

Catalyst % by Wt. (MEKP)	Gel Time	Peak Temp.	Gel - Peak Exotherm. Time
1.0%	~ 8 min.	~ 200°F (93°C)	~ 30 min.

Note: The above catalyzation results were obtained using 100 gms of compound at 25°C (77°F).
Ambient Room Temperature: 77 °F ; MEKP Catalyst = Syrgis MEKP-9 or equivalent.

MEKP Usage Guide	Quart		Single Gallon		5 gallons	
	Vol. (ml)	Wt. (g)	Vol. (ml)	Wt. (g)	Vol. (ml)	Wt. (g)
Recommended Amount 1.00 %	10.59	11.62	42.35	46.49	211.77	232.47
Recommended Amount	Vol. (fl. oz)	Wt. (oz)	Vol. (fl. oz)	Wt. (oz)	Vol. (fl. oz)	Wt.(oz)
1.00 %	0.36	0.41	1.43	1.64	7.16	8.20

DUR-O-BOND®
BETTER ◊ STRONGER ◊ FASTER

NOTICE: Read all precautionary labels, MSDS guidelines and product warnings before using. The information contained herein is correct to the best of our knowledge and is subject to revision without notice. The data contained in this product bulletin is made without guarantee or representation as to results. Since application variables are a major factor in product performance, this information should serve as a general guide only. We suggest that laboratory testing should be performed prior to the use of any product in the field. Durant makes no warranties, express or implied, and limits any liability for breach of warranty, negligence or otherwise to the purchase price of the material.