



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 Polyester Compound

CHEMICAL FAMILY: UNSATURATED POLYESTER RESIN

PRODUCT DESCRIPTION:

- **DUR-O-BOND P1000** is a low viscosity, heavy weight polyester resin compound engineered for superior bonding and flexural strength.
- **DUR-O-BOND P1000** may be poured or into gaps and difficult to reach locations, excellent self-leveling, can also be sprayed
- Exhibits excellent adhesion by bonding to multiple
- substrates in polyester and vinyl-ester laminate applications, including FRP composites, wood and core materials.
- **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.

Average Physical Testing Results		
Test	ASTM	Result
Tensile Strength (psi)	D638	1544
Tensile Modulus (ksi)	D638	91.6
Tensile Elongation (%)	D638	7.9
Coefficient of Thermal Expansion (µm/m°C)	D696	65.12
Linear Shrinkage (%)	D2566	0.77
Shore D Hardness	D2583	73.5

P1000 Specifications		Initiation of P1000	
Color	Grey	Catalyst % by Weight	1.0
Odor	Strong Styrene Odor	Gel Time (min)	3-5
Viscosity Average (Brookfield RVDVII+Pro, 1 QT, SP5, 78°F, 50RPM)	3,500-4,500 cP	Peak Exotherm Temp	~200°F
Density (lbs/gal)	~ 10.5	Peak Exotherm Time	15-20 min
VOC (lbs/gal)	2.46 [VOC lbs/gal post cure: 0 lbs]	Note: The above results were obtained using a 100 g sample at 25°C (77°F). Incubator Temperature: 25 °C; Initiator = MEKP-9	
Shelf Life	12 months (unopened 78°F)		

MEKP Usage Guide	Quart		Single Gallon		5 gallons	
	Vol. (ml)	Wt. (g)	Vol. (ml)	Wt. (g)	Vol. (ml)	Wt. (g)
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, SDS 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.