

DURANT

PERFORMANCE COATINGS

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PRODUCT DATA SHEET

DUR-O-BOND®

Hull & Deck 3000-1

Extra Thick Structural Marine Bonding Compound

CHEMICAL FAMILY: UNSATURATED POLYESTER RESIN

PRODUCT DESCRIPTION:

- **DUR-O-BOND Hull & Deck 3000-1** is a highly thixotropic, glass reinforced isothalic blended polyester resin compound engineered for superior bonding and impact resistance in polyester and vinyl ester laminate applications requiring a rapid gel time.
- High Viscosity - **DUR-O-BOND Hull & Deck 3000-1** has outstanding sag resistance for use in vertical applications.
- Superior Adhesion - **DUR-O-BOND Hull & Deck 3000-1** bonds to multiple substrates, including FRP composites, wood and core materials.
- Impact Resistant - **DUR-O-BOND Hull & Deck 3000-1** is engineered with structurally reinforced fibers to provide maximum strength and resistance to cracking.
- Adjustable Dry Times - **DUR-O-BOND Hull & Deck 3000-1** is a rapid gel, two-component system, utilizing a MEKP hardener that may be regulated to adjust dry times.

PRODUCT SPECIFICATIONS:

- Color / Odor: Off-white with strong styrene odor
- Viscosity: [Brookfield RVDVII, 5.0RPM, 78°F, TF]: 1,250,000 cps avg.
- Weight / Gallon: ~ 11.0 lbs
- VOC weight/gallon: 2.81lbs [VOC wt/g] after mixing with MEKP: 0 lbs]
- Shelf Life: 3 months unopened (25°C)

Average Physical Testing Results

Test	ASTM	Result
Tensile Strength (psi)	D- 638	4095
Tensile Modulus (psi)	D- 638	1,200,000
Tensile Elongation (%)	D- 638	0.39
Flexural Strength (psi)	D- 790	6025
Flexural Modulus (psi)	D- 790	907,000
Compressive Strength (psi)	D- 695	14,495
Compressive Modulus (psi)	D- 695	1,123,000
Heat Deflection Temp	D- 648	136.5°F
IZOD Impact (ft-lbs/in)	D- 256	0.4

CATALYZATION / GEL TIMES: MEKP % by Wt. Gel Time Peak Temp. Gel - Peak Exotherm. Time
1.5% ~ 15-20 min. ~ 225°F ~ 30 min.

Note: The above catalyzation results were obtained using 100 gms of compound at 25°C (77°F). Ambient Room Temperature: 16°C(61 °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)
	1.5 %	17.05	18.71	68.18	74.84	340.90	374.22
	Recommended Amount	Vol. (fl. oz)	Wt. (oz)	Vol. (fl. oz)	Wt. (oz)	Vol. (fl. oz)	Wt.(oz)
	1.5 %	0.58	0.66	2.30	2.64	11.52	13.20

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.