

## PRODUCT DATA SHEET

# DUR-O-BOND® P2800

## Lightweight Polyester Syntactic Compound

**CHEMICAL FAMILY:** UNSATURATED POLYESTER RESIN

**PRODUCT DESCRIPTION:**

**DUR-O-BOND P2800** is a low viscosity, lightweight polyester resin composite compound engineered for use as a barrier coat, print barrier, core and wood replacement.

Uses and benefits include:

- Improved strength, weight savings, and cosmetic finishes in fiberglass laminate construction.
- Self-Leveling viscosity which may be poured or pumped into gaps and difficult to reach locations between laminate layers to eliminate air voids.
- Excellent adhesion to multiple substrates including FRP composites, wood and synthetic core materials.
- Highly Flexible matrix design resists cracking.

**PRODUCT SPECIFICATIONS:**

- Color / Odor: Gray with strong styrene odor
- Viscosity Avg: [Brookfield RVDVII+Pro, 1 QT, SP6, 78°F]  
20RPM: 12,000 cps; 2RPM: 50,000
- Weight / Gallon: ~ 6.00 lbs
- VOC wt/gl: 1.99lbs [VOC wt/gl post cure: 0 lbs]
- Shelf Life: 6 months unopened (25°C)

Average Physical Testing Results		
Test	ASTM	Result
Tensile Strength (psi)	D- 638	639
Tensile Modulus (psi)	D- 638	20,000
Tensile Elongation (%)	D- 638	29.29
Shore D Hardness 24hr	D- 2240	50
Compression Strength (psi)	D-695-02a	3650

**CATALYZATION / GEL TIMES:**

<b>Catalyst % by Wt. (MEKP)</b> 1.5% .....	<b>Gel Time</b> ~ 18 min.	<b>Peak Temp.</b> ~ 230°F	<b>Gel - Peak Exotherm. Time</b> ~ 25 min.
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Note: The above catalyzation results were obtained using a 100 g sample at 25°C (77°F).  
 Incubator 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 1.5 %	9.30	10.21	37.19	40.82	185.95	204.12
Recommended Amount	Vol. (fl. oz)	Wt. (oz)	Vol. (fl. oz)	Wt. (oz)	Vol. (fl. oz)	Wt.(oz)
1.5 %	0.31	0.36	1.26	1.44	6.29	7.20

**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.