

PRODUCT DATA SHEET

DUR-O-BOND® MB1005

Lightweight Marine Bonding & Filler Compound

CHEMICAL FAMILY: UNSATURATED POLYESTER RESIN

PRODUCT DESCRIPTION:

- **DUR-O-BOND MB1005** is a lightweight, highly thixotropic polyester resin compound engineered for high bonding strength in marine and industrial composite filling and bedding applications.
- Medium Viscosity - **DUR-O-BOND MB1005** has good sag resistance yet is easy to apply.
- High Strength Adhesion - **DUR-O-BOND MB1005** bonds to multiple substrates in polyester and vinylester laminate applications, including FRP composites, wood and core materials.
- Ease of Application - **DUR-O-BOND MB1005** is lightweight, has a smooth creamy consistency ideal for hand-trowel or pump application.
- Adjustable Dry Times - **DUR-O-BOND MB1005** is a two-component system, utilizing a MEKP hardener that may be regulated to adjust dry times.

PRODUCT SPECIFICATIONS:

- Color / Odor: Off-white with typical styrene odor
- Weight / Gallon: ~ 5.0 +/- .25 lbs
- Viscosity: [Brookfield RVDVII, 5 RPM, Spindle TE]: 150,000 cps average
- VOC weight/gallon: 1.60lbs [VOC wt/gl after mixing with MEKP: 0 lbs]
- Shelf Life: 6 months unopened (25°C)

Catalyzation / Gel Times:

Catalyst % by Wt. (MEKP)	Gel Time	Peak Temp.	Gel - Peak Exotherm. Time.
1.5%	~ 20-25 min.	~ 250°F	~ 40 min.

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)
1.50 %	7.75	8.51	30.99	34.02	154.95	170.10
Recommended Amount	Vol. (fl. oz)	Wt. (oz)	Vol. (fl. oz)	Wt. (oz)	Vol. (fl. oz)	Wt.(oz)
1.50 %	0.26	0.30	1.05	1.20	5.24	6.0

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.