

PRODUCT DATA SHEET

DUR-O-BOND® FR7700-R

Fire Retardant Bonding & Radius Compound

CHEMICAL FAMILY: UNSATURATED POLYESTER RESIN

PRODUCT DESCRIPTION:

- **DUR-O-BOND FR7700-R** is high viscosity, glass reinforced vinyl ester bonding compound engineered from a Class I Fire Retardant Resin. [ASTM E-84 Flame Spread Index ≤25]
- Ideal for bonding FRP parts, gel coat back-up and radius / contour forming applications where flame resistance is required.
- Excellent adhesion - **DUR-O-BOND FR7700-R** bonds to multiple substrates in polyester and vinyl ester laminate applications, including FRP composites, wood and core materials.
- Impact Resistant - **DUR-O-BOND FR7700-R** is engineered with structurally reinforced fibers to provide maximum strength and resistance to cracking.
- Adjustable Dry Times - **DUR-O-BOND FR7700-R** is a two-component system, utilizing a MEKP hardener that may be regulated to adjust dry times.

PRODUCT SPECIFICATIONS:

- Color / Odor: Translucent with strong styrene odor
- Viscosity: [RVDVII, 5RPM, TF]: 700,000 cps avg.
- Weight / Gallon: ~ 12.0 lbs
- VOC wt/gl: 3.25lbs [VOC wt/gl post cure: 0 lbs]
- Shelf Life: 3 months unopened (25°C)

CATALYZATION / GEL TIMES:

Catalyst % by Wt. (MEKP)	Gel Time	Peak Temp.	Gel - Peak Exotherm. Time
1.5%	~ 15-20 min.	~ 275°F	~ 10 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.

<i>MEKP Usage Guide</i>	<i>Quart</i>		<i>Single Gallon</i>		<i>5 gallons</i>	
<i>Recommended Amount</i>	<i>Volume (ml)</i>	<i>Weight (g)</i>	<i>Volume (ml)</i>	<i>Weight (g)</i>	<i>Volume (ml)</i>	<i>Weight (g)</i>
1.50 %	18.59	20.41	74.38	81.65	371.89	408.24
<i>Recommended Amount</i>	<i>Volume (fl.oz)</i>	<i>Weight (oz)</i>	<i>Volume (fl.oz)</i>	<i>Weight (oz)</i>	<i>Volume (fl.oz)</i>	<i>Weight (oz)</i>
1.50 %	0.63	0.72	2.51	2.88	12.57	14.40

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.