

PRODUCT DATA SHEET

DUR-O-BOND® FC4400VE

Fire Retardant Vinyl Ester Below the Waterline Fairing Compound

CHEMICAL FAMILY: VINYL ESTER RESIN

PRODUCT DESCRIPTION:

- **DUR-O-BOND FC4400VE** is a lightweight, fire retardant vinyl ester resin compound engineered for fairing and finish smoothing applications in fiberglass construction, marine repair or new boat construction. This product is highly corrosive and water resistant.
- **Low Shrink / Low Exotherm** - **DUR-O-BOND FC4400VE** cures hard, leaving a smooth, sand able finish with minimal shrink and low exotherm.
- **Excellent Adhesion** - **DUR-O-BOND FC4400VE** bonds to multiple substrates in polyester and vinyl ester laminate applications, including FRP composites, wood and core materials.
- **Ease of Application** - **DUR-O-BOND FC4400VE** is easily spread with resistance to sagging, and is ideal for troweling. **Ideal for below the water line use.**
- **Adjustable Dry Times** - **DUR-O-BOND FC4400VE** utilizes liquid **MEKP** solution that may be regulated to adjust dry times.

FC4400VE Specifications

Color/Texture	Light Purple Paste
Odor	Strong Styrene Odor
Viscosity Average (Brookfield RVDVII+Pro, 1 QT, TE, 78°F, 5.0 RPM)	200,000-300,000 cP
Density (lbs/gal)	~ 7.0
VOC (lbs/gal)	2.02 [VOC lbs/gal post cure: 0 lbs]
Shelf Life	3 months

Initiation of FC4400VE

Initiator % by Weight	1.5
Gel Time (min)	7
Peak Exotherm Temp (°F)	250
Peak Exotherm Time (min)	20-25

Note: The above catalyzation results were obtained using a 100 g sample at 25°C (77°F).
 Incubator Temperature: 25°C(77°F); MEKP Catalyst = Norox MEKP-9 or equivalent.

MEKP Usage Guide	Quart		Single Gallon		5 gallons	
	Volume (mL)	Weight (g)	Volume (mL)	Weight (g)	Volume (mL)	Weight (g)
Recommended Amount 1.50 %	10.85	11.91	43.39	47.63	216.94	238.14
Recommended Amount	Volume (fl.oz)	Weight (oz)	Volume (fl.oz)	Weight (oz)	Volume (fl.oz)	Weight (oz)
1.50 %	0.37	0.42	1.47	1.68	7.33	8.40