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SRCB-III Saturating Resin

DESCRIPTION: Non-draining epoxy system for producing composite laminates. Ideal for vertical laminates or where a higher degree of thixotropy is desired. All listed systems cure at room temperature with excellent physicals and high HDT. With a moderate post cure (3-5 hours at 130°F), all systems exhibit excellent properties. 100% solids.

SUGGESTED USES: Composite laminates, and cured in place pipe applications. Two different hardeners (Part-B) are available to use with SRCB-III: slow cure (Part-B-S), and fast cure (Part-B-F)

PHYSICAL PROPERTIES: Liquid and cured physical properties of SRCB-III Saturating Resin with two different hardeners:

CarbonWrap™Material	Part- B-S	Part- B-F
Viscosity, cps	2900	2780
Parts Hardener by Weight	43	43
Mix Ratio by Volume	2:1	2:1
Gel Time Min (150gr)	60-70	20-25
HDT, °F	175	160
Set Time, Hrs @ 77°F	4	2
Cure Time, Hrs @ 130°F	3-4	1-2
Shore D Hardness (24 hr room temp cure)	75	75
Elongation %	5.0	5.5

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HARDENER RECOMMENDATION(S): Part-B-S and Part-B-F hardeners mix at 2:1 by volume and cure quickly with long work lives. These hardeners are DOT non-regulated/non-corrosive, minimizing hazardous materials shipping issues.

TYPICAL MECHANICAL PROPERTIES: (SRCB-III saturating resin, post cured at 130°F for 5 hours with both hardeners.) Properties are measured using 8 plies of 7500 glass.)

Property	Result	Test Method
Hardness	85 Shore D	ASTM D 1475
Tensile Strength	>30,000psi	ASTM D 638
Flexural Strength	>32,000psi	ASTM D 790
Compressive Strength	>20,000psi	ASTM D 695
Heat Deflection Temp	>200°F	

HOW SUPPLIED (net weights): FOB CarbonWrap™ Solutions, LLC Tucson, Arizona.

CarbonWrap™ Solutions Material	1-Quart	1-Gallon	5-Gallon Pail	55-Gallon Drum
SRCB-III Saturating Resin Part -A	-	9lbs	45lbs	500lbs
Part-B-S and Part-B-F	-	-	40lbs	450lbs