

Product Data Sheet: CarbonBond CBC



CarbonBond is a specially formulated, polyester based core bedding compound developed by Carbon-Core Corporation for hand lay-up and vacuum bagging core installation. Use of premium resins results in high tensile and flexural strength. Its high adhesive strength provides an excellent bond between the core and the laminate. Its is suitable for most coring applications and is compatible with our CarbonFoam, CarbonBalsa, CarbonCore Plastic Honeycomb, PVC and SAN foam core materials. Consult MSDS for additional handling, storing and safety information. CarbonBond is available either Pumpable or Trowelable

CHARACTERISTICS

- ◆ Formulated with premium resins
- ◆ Non-sagging
- ◆ Lightweight
- ◆ Avg. pail weight is 43lb
- ◆ 90 day shelf life from date printed on pail
- ◆ 5 Gallon pails

APPLICATIONS

- ◆ Core material bedding for marine ,industrial, wind energy, transportation parts.

PROCESSING

- ◆ Catalyze with MEKP (see chart on page 2)

All tests carried out by independent laboratory. This information is provided in good faith and is subject to modifications without prior notification. It does not constitute a commitment, neither a contractual document. Carbon-Core Corp will not assume any liability form use or misuse of data presented herein. Assessment of suitability is the responsibility of end user only.

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General & Mechanical Properties	Carbon-Bond
Color	White
Gel Time	38-45 min
Weight per Gallon/Liter	6.4-6.6 lbs/ gallon or 0.799 kg/l
Working Time(1/32" thick@88F shop temp)	45 min
Tensile Strength	1032psi
Tensile Elongation	1.46%
Tensile Modulus	147000 psi
Viscosity @ 2.5 rpm	380000min cps 460000max cps
Viscosity @ 20 rpm	90000min cps 180000max cps

Coverage Rates per Gallon and Weight per ft²

Thickness	Square feet per gallon	Weight per square foot
1/16"	25	2oz
1/8"	12.5	4oz
3/16"	9.38	6oz
1/4"	6.25	8oz

Amount of Catalyst Needed

Material Temperature	% by Weight	gm/gal	gm/5gal	cc/gal	cc/5gal	30ml/shots
50-60°F	2.50	73	349	70	335	11
60-65°F	2.25	65	314	63	301	10
65-70°F	2.00	58	279	56	268	9
70-75°F	1.75	51	244	49	234	8
75-80°F	1.50	44	209	42	201	7
80-85°F	1.25	36	174	35	167	6
85-90°F	1.00	29	139	28	134	4

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