

## Product Data Sheet: CarbonBond GPC



CarbonBond General Purpose Compound (GPC) is a specially formulated, polyester based all purpose bonding compound developed by Carbon-Core Corp. for general purpose filling and bonding. Use of premium resins results in high tensile and flexural strength. Its high adhesive strength provides an excellent bond between the bonded substrates. Consult MSDS for additional handling, storing and safety information. CarbonBond GPC is available either Pumpable or Trowelable.

### CHARACTERISTICS

- ◆ Semi-flexible for exceptional crack resistance
- ◆ Formulated with premium resins
- ◆ Low shrinkage and exotherm
- ◆ Low styrene content
- ◆ Avg. pail weight is 43lb
- ◆ 90 day shelf life from date printed on pail

### APPLICATIONS

- ◆ General purpose bonding
- ◆ General purpose filler

### 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 for use or misuse of data presented herein. Assessment of suitability is the responsibility of end user only.

**Mailing Address: PO Box 332, Keswick, VA 22947**  
**Warehouse: 48 Zion Station Court, Troy, VA 22947**  
**Tel: 434-510-7115    [info@carbon-core.com](mailto:info@carbon-core.com)**

## Product Data Sheet: CarbonBond GPC

General & Mechanical Properties	Carbon-Bond
Color:	White
Gel Time:	40-50 min
Weight per Gallon/Liter	8.5-8.7 lbs/ gallon or 1.018 kg/l
Working Time(1/32" thick@88F shop temp)	35-40 min
Peak exotherm	170-210F
Tensile Elongation	1.46%
Tensile Modulus	147000 psi
Viscosity @ 2 rpm	900000 min cps 1300000 max cps
Viscosity @ 20 rpm	90000 min cps 180000 max cps

### Coverage Rates per Gallon and Weight per ft<sup>2</sup>

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
60-65°	2.00	78	383	75	367
65-70°	1.80	70	344	67	331
70-75°	1.60	62	306	60	294
75-80°	1.40	59	287	56	275
80-85°	1.20	47	230	45	220

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 for use or misuse of data presented herein. Assessment of suitability is the responsibility of end user only.

**Mailing Address: PO Box 332, Keswick, VA 22947**

**Warehouse: 48 Zion Station Court, Troy, VA 22947**

**Tel: 434-510-7115    info@carbon-core.com**