SCIGRIP® arjay™
THE FUTURE OF PERFORMANCE BONDING™

Celebrating Over 40 Years of Marine Innovation

CBC: Stronger Cores, Flexible Gel Times

Our Core Bonding Compound (CBC) has become an industry favorite for its high tensile and flexural strength

One of the best things that came from our experience in the boat building industry was the creation of a compound that not only has a strong bond, but can flex under the pressure of a rough sea, and still hold everything together. That compound is our **Core Bonding Compound (aka CBC)**. After years of refining, we've perfected the product to the point where many boat builders won't build without it. It can be used to bed many types of cores, including PVC Foam, Balsa, Honeycomb, and more.

Flexible Gel Times

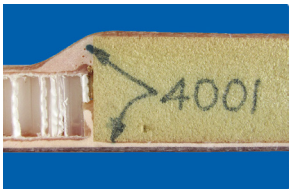
CBC's 40 minute gel time at 1.5% MEKP allows ample working time for nearly any application. Where longer gel times are required, the MEKP level can be reduced to as low as 0.5% when mixed properly.

Increases Flexural Strength as Much as 60%

Studies have shown that filling the edges of a cored laminate at a 3:1 slope increased flexural strength as much as 60% over laminates with a step. Arjay's CBC is the perfect high strength, low weight solution for this application.

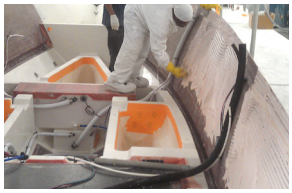
Performance Benefits

- *Flexible gel times*
- *Works with nearly all types of cores*
- *Increases flexural strength as much as 60%*
- *Great for bonding large FRP laminates*



Better core transitions increases flexural strength


Compound trowels easily and "Stays Put" on angles


Large FRP laminates: Prepping hull to bond liner

ProTips & Other Resources at ArjayTech.com

- **ProTip: 3 Tips for Obtaining Consistent Results with CBC (PDF)**
- **4001 TDS (PDF)** *Available for download any time on our website*

TECHNICAL DATA SHEET

4001 CBC

POLYESTER BONDING COMPOUND

RECOMMENDED FOR

Core Bonding	FRP Laminates (Large or Small)

WORKING PROPERTIES

Gel Time	Reaction Time	Fixture time	Peak Exo
41 min	32 min	73 min	240° F

TYPICAL PHYSICAL PROPERTIES *@75°F (24°C)*

Color	White
Odor	Styrene
Texture	Smooth
Weight	6.5 lbs/gallon
Shelf Life	4-5 months

VISCOSITY

RPM	µ Min	µ Max
2	220,000	280,000
20	28,000	62,000

TYPICAL CURED PROPERTIES *@75°F (24°C)*

Test	Average	Deviation
Tensile Elongation, %	4.0	0.32
Tensile Strength, PSI	2,260	43.2
Flexural Strength, PSI	10,700	856
Flexural Modulus, PSI	562,000	38,600
Compressive Strength, PSI	2,180	129
Lap Shear, PSI	1,260	28.5
Heat Deflection, °F	150	5.0
Linear Shrinkage, %	< 1	
Shore D Hardness	65-70	

PACKAGING & AVAILABILITY

Pails
5 Gal./19 L


ITEM# 4001

Drums
55 Gal./ 189 L


ITEM# 4002

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