**BCC PRODUCTS, INC.** **BLEHM PLASTICS**

FAST CAST – EPOXIES – ADHESIVES - POLYSULFIDES - URETHANES – POLYESTER PASTES – TOOLING BOARDS – RELEASE AGENTS – SILICONES

# LIK-WOOD

(Pine)

**BC8007**

Urethane

BCC Lik-Wood is a low viscosity, quick setting, easy to use casting material. A model or tool cast from Lik-Wood will weigh 60% less than other filled urethane systems. Within 30 minutes after mixing and pouring, Lik-Wood is ready to be carved, sanded, filed, tapped etc.. Its amazing wood-like characteristics make it ideal for light-weight backing of laminates and/or surface coats. Perfect for fast take offs, cores, engineering changes, temporary molds, patterns, models, prototypes and bases for die models.

## Working Properties

| | |
|---|---|
| Mix Ratio (by weight or volume) | 1 to 1 |
| Viscosity (ASTM-D-2393) | |
| Part A | 600 cps |
| Part B | 800 cps |
| Mixed | 700 cps |
| Working Life (1 lb. mass) 75°F | 5 - 6 minutes |
| Demold Time @ 75°F | 1 – 2 Hours |

## Physical Properties

| | |
|---|---|
| Specific Gravity, Cured (ASTM-D-792-66) | 0.63 |
| Weight/cu. in. (lbs.) | 0.023 |
| Hardness, Shore D (ASTM-D-2240) | 65 |
| Tensile Strength (ASTM-D-638) | 1,660 psi |
| Flexural Strenght (ASTM-D-790) | 2,730 |
| Flexural Modulus (ASTM-D-790) | $1.71 \times 10^5$ psi |
| Compressive Strength (ASTM-D-695) | 3,050 psi |
| Impact Resistance | .58 ft. lbs./in. |
| Heat Distortion (°F) ASTM-D-648-56 | 133°F |
| Lineal Shrinkage (ASTM-D-2566-69) | .0029 in./in. |

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## Handling Properties

BCC's Lik-Wood is a fast-setting, two part casting system which requires careful preparation prior to mixing parts A and B. Because Lik-Wood contains components having very low density there will be some separation at the surface of the material in its container. Using a paint shaker, jiffy mixer, or mixing spatula, re-suspension of the ingredients is easily accomplished. Precaution should be taken to prevent any moisture contamination from containers or utensils. It is recommended that the work area be well ventilated and normal cleanliness and safety rules be observed. Avoid prolonged exposure to vapors and contact with skin.

## Preparation of Mold Surface

Clean the surface from dust and possible presence of moisture. Apply BC 87 Parting Agent and polish to a uniform high gloss finish (usually 2-3 coats are recommended). For wood surfaces, 2-3 coats of a quality sanding sealer is necessary. For plaster surfaces, seal with PVC sealer to ensure complete absence of moisture. For both wood and plaster surfaces, follow with 2-3 coats of BC 87 Parting Agent.

## Mixing and Pouring

Pour weighted or measured amounts of Part A & B into a separate dry container by pouring Part A into Part B. Mix with a spatula or mechanical stirrer for 30-40 seconds for quart size batches or 40-50 seconds for gallon batches. Immediately pour mixed resin uninterrupted from a convenient height above the mold cavity to resist air bubble entrapment. Clean your tools by rinsing in an alcohol type solvent. Larger masses (2 feet or more) may be built up with successive pours. Castings may be demolded within 1 – 2 hours but should be properly supported while "green". Under normal conditions, maximum hardness or cure will be achieved in 12-18 hours.



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