

# BCC Resins BC 6004

Epoxy; Epoxide

BCC Products Inc.

## Message:

BC 6004 is a white thixotropic epoxy surface coat that had the ability to cure and bond to freshly poured wet plaster. This formulated resin compound can be applied with a brush or troweled to a thickness of 1/8" or less on vertical surfaces or over sharp radii without sag or fear of run-off. BC 6004 features moderate heat resistance and tracing hardness.

Procedure for Plastic Faced Plaster Applications:

BC 6004 should be applied over a properly mold-released surface so that positive removal of the surface coated plaster casting is assured. For best results, two coats approximately 1/16" thick should be used. The first coat should be brushed over the entire surface and then allowed to cure to a gelled or very tacky state. The second coat should be applied over the first. If hemp, glass or other fibrous plaster reinforcements are to be used, they should be placed in the freshly applied second coat immediately. Plaster can then be poured against the wet, second coat of BC 6004. To achieve good adhesion of the epoxy to the plaster, it is recommended that the plaster be poured immediately. The application of two coats of BC 6004 will eliminate surface porosity that sometimes occurs when fast setting, "hot" plaster compounds are cast over a single coat of epoxy.

General Information			
Features	Medium Hardness		
	Medium Heat Resistance		
	Thixotropic		
Uses	Coating Applications		
Appearance	White		
Forms	Paste		
Processing Method	Coating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.58	g/cm <sup>3</sup>	ASTM D792, ASTM D1505
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	89		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Ultimate)	46.9	MPa	ASTM D638
Flexural Modulus	6760	MPa	ASTM D790
Flexural Strength (Break)	59.3	MPa	ASTM D790
Compressive Strength	95.1	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	78.9	°C	ASTM D648
Thermoset	Nominal Value	Unit	
Thermoset Components			
Hardener	Mix Ratio by Weight: 1.0, Mix Ratio by Volume: 1.0		
Resin	Mix Ratio by Weight: 12, Mix Ratio by Volume: 7.0		
Pot Life (24°C)	15 to 20	min	
Demold Time (24°C)	480 to 720	min	

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519  
Phone: +86 13424755533  
Email: sales@su-jiao.com  
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

