



**TCC-205  
LAMINATING &  
ADHESIVE SYSTEM  
ROOM TEMPERATURE**

**PRODUCT BULLETIN**



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**DESCRIPTION**

Epoxy Resin **TCC-205** with either Epoxy Hardener **TCC-102** or **TCC-104** is a rigid epoxy system having low viscosity and a short pot life. This system is easy to use and has no objectionable fumes. Applications include as an adhesive system for the MP-1065 Model Plank®, MP-1055 Model Plank®, FP-1050 Fixture Plank® and the DP-1051 Die Plank®, and as an adhesive for adhering plastic to wood. This system is also well suited as an unfilled room temperature laminating resin, which provides excellent wet-out when using fiberglass and graphite cloth.

**TYPICAL HANDLING CHARACTERISTICS AND PHYSICAL PROPERTIES @ 77°F (25°C)**

Mix Ratio (by weight).....	Resin TCC-205 .....	100 parts
.....	Hardener TCC-102.....	25 parts
.....	Hardener TCC-104.....	25 parts
Shelf Life (in original unopened containers) .....	TCC-205/TCC-102/104 .....	2 years

	<u><b>TCC-102</b></u>	<u><b>TCC-104</b></u>
Pot Life (100 gram mass) .....	15 - 20 minutes .....	30 - 35 minutes
(1 pound mass).....	8 - 10 minutes .....	12 - 14 minutes
Specific Gravity (mixed).....	1.09 g/cc .....	1.10 g/cc
Mixed Viscosity.....	700 cps .....	800 cps
Cured Color .....	Clear Amber.....	Clear Amber
Peak Operating Temperature .....	180°F (82°C).....	180°F (82°C)
Hardness.....	82 - 85 Shore D.....	82 - 85 Shore D
Elongation (rigid) .....	2%.....	2%
Compressive Strength.....	30,000psi (207MPa).....	30,000psi (207MPa)
Tensile Strength .....	9,500psi (66MPa).....	9,500psi (66MPa)
Flexural Strength .....	18,000psi (124MPa).....	18,000psi (124MPa)
Cured (rigid) .....	2 - 4 hours.....	4 - 8 hours

**SANITARY PRECAUTIONS**

Do not take internally. Avoid prolonged breathing of vapors. Work in a well-ventilated area. Avoid skin contact. Protective gloves should be worn. If contact occurs: wash skin with soap and water. Avoid eye contact. If contact occurs: rinse well with water for 15 minutes, contact physician.

TCC-205 Tech/Revised 1/30/15  
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