



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.

HANDLING CHARACTERISTICS AND PHYSICAL PROPERTIES @ 25°C/77°F

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>TCC-102</u>	<u>TCC-104</u>
Pot Life (100 gram mass).....	15 - 20 minutes	30 - 35 minutes
(1 pound mass)	8 - 10 minutes	12 - 14 minutes
Mixed Specific Gravity.....	1.09	1.10
Mixed Viscosity	700 cps	800 cps
Cured Color	Clear Amber	Clear Amber
Peak Operating Temperature.....	180°F	180°F
Hardness	82 - 85 Shore D.....	82 - 85 Shore D
Elongation (rigid)	2.2 - 2.5%.....	2.2 - 2.5%
Compressive Strength.....	30,000 psi	30,000 psi
Tensile Strength	9,000 - 10,000 psi	9,000 - 10,000 psi
Flexural Strength.....	17,000 - 19,000 psi	17,000 - 19,000 psi
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.

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