



# TCC-1001/104 LAMINATING/CASTING SYSTEM

PRODUCT BULLETIN



ROOM TEMPERATURE  
ABRASION RESISTANT

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## DESCRIPTION

Epoxy Resin **TCC-1001** with Epoxy Hardener **TCC-104** is an abrasion resistant system which can be used for both laminating and casting. With the addition of abrasive fillers, this system can be used to cast various abrasion resistant tools such as hones, etc. Without the addition of fillers this system can be cast up to 1/4" thick.

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

Mix Ratio (parts by weight).....	Resin TCC-1001/Hardener TCC-104 .....	100R/20H
Pot Life (100 gram mass).....		30 - 35 minutes
Mixed Specific Gravity.....		1.40
Mixed Viscosity .....		3,400cps
Cured Color .....		Light Grey
Peak Operating Temperature.....		180°F
Hardness .....		85 - 90 Shore D
Tensile Strength .....		25,900 psi
Flexural Strength.....		38,000 psi
Cure Time (rigid) .....		12 - 24 hours
Shelf Life (in original unopened containers).....	TCC-1001/TCC-104.....	2 years

## 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.

## STORAGE

Store at room temperature. Before use, mix resin well with mechanical device

TCC-1001 Tech/Revised 5/24/10  
Supercedes 5/19/06

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