PRODUCT BULLETIN

TCC-353/102 SURFACE COAT SYSTEM

ROOM TEMPERATURE
FOR PFP CASTINGS

TOOL CHEMICAL COMPOSITES

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DESCRIPTION

Epoxy Resin **TCC-353** with Epoxy Hardener **TCC-102** is a moisture resistant room temperature surface coat designed with a color indicator to insure proper mix. When the two components are properly mixed, the color will dissipate. The viscosity of the resin and hardener are designed to be easily dispensed. Once mixed, the surface coat turns to a smooth, medium-heavy consistency which will not run off vertical surfaces. TCC-353/102 is recommended as a versatile surface coat for room temperature laminates and castings. This system is highly suited for plastic faced plaster castings as there is no lost time between the plastic and plaster application and no moisture is left on the model surface. TCC-353/102 can also be mixed with plaster to form a splining paste.

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

Mix Ratio (parts by weight)	TCC-353/TCC-102, 104, 104-5, 105	100R/15H
Pot Life (100 gram mass):	TCC-353/102	16 minutes
	TCC-353/104	32 minutes
	TCC-353/104-5	60 minutes
	TCC-353/105	139 minutes
Tack Time*:	TCC-353/102	2 hours
	TCC-353/104	2-½ hours
	TCC-353/104-5	3-½ - 4 hours
	TCC-353/105	5 - 5-½ hours
Viscosity:	Resin TCC-353	Paste
	Hardener TCC-102	200 cps
	Mixed Viscosity TCC-353/102	Paste
	Mixed Viscosity TCC-353/104	20,000 cps
	Mixed Viscosity TCC-353/104-5	14,400 cps
	Mixed Viscosity TCC-353/105	19,200 cps
Color	Resin TCC-353	Pink
	Hardener TCC-102	Amber
	Cured Color	White
Mixed Specific Gravity (w/TCC-102)		1.23
Peak Operating Temperature (w/TCC-102)		160°F
Hardness		80 Shore D
Compressive Strength (w/TCC-102)		16,500 psi
Tensile Strength (w/TCC-102)		5,400 psi
Cure Time		16 - 20 hours
Shelf Life (in original unopened containers)	TCC-353/TCC-102, 104, 104-5, 105	2 years

*Tack times can notably fluctuate depending on temperature conditions and thickness of application.

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.

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