

# TCS4

## Industrial Flooring Epoxy Coating For Strong Chemicals



### DATA SHEET

Broachable compound, 100% solid, Novolac epoxy with ceramic microsphere filling for protection of concrete floors with exposure to aggressive chemicals. Excellent chemical resistance with the presence of caustics and concentrated acids. It is easily applied with brush, roller and airless.

- Applies up to 1000 microns without sagging
- Suitable for immersion and non-immersion
- Protection against corrosion and abrasion

### APPLICATION AREAS

- Collectors
- Concrete walls
- Foot of pumps
- Chemical tanks
- Concrete channels
- Ventilators
- Team bases
- Pits, tunnels
- Chemical floors
- Other

### COVERAGE

7.5 kg kit covers 5.32 m<sup>2</sup> (57 sf)  
1000 microns thickness (40 mils)

### COLOR

Gray or blue. Green and red options

### PACKAGING

Size	Reorder #	Size	Reorder #	Size	Reorder #	Size	Reorder #
1 kg	TCS4-1	2 kg	TCS4-2	7.5 kg	TCS4-7.5	15 kg	TCS4-15

### TECHNICAL DATA

Maximum Temperature (depending on the service)	Wet Service Dry Service	65°C 85°C	149°F 185°F
Solids by Volume	100%		
Mixed Density	1.4		
Shore D Hardness	(ASTM D 2240)	84	
Pot Life	35 min / kg at 72°F		
SAG Vertical Resistance at 21°C (70°F) and 1mm (40mils)	No sagging		
Mixing Ratio	2:1 by Weight	Base: Activator	
Shelf Life (unopened containers)	3 years at 55-95°F (13-35°C)		



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### SURFACE PREPARATION

Proper surface preparation is vitally important for long-term performance. The prepared concrete surface must be structurally sound, free of all contaminants and rough to a profile >ICRI CSP 3 (similar to grain size #60 sandpaper). Taurus TCS4 can be applied directly on concrete or with the T497 primer to make vapor barrier. Cleaning can be done with water jet, scarifier, or abrasive jet.

### MIX

Mix the activator well in the base with the mixing rod scraping the sides and the bottom of the container. Mix by weight 2 parts Base to 1 part of Activator. Mix thoroughly to produce a uniform and without stripes. Never put solvents.

### APPLICATION

Brush: medium to rigid bristles of sufficient quality than bristles do not come loose and stick to the coating (brushes of epoxy glued bristles are better).  
Trim or put tape <1" nap.  
Roller: use a good quality 1/8" nap.

### APPLICATION TEMPERATURE

Application temperature range from 10°C (50°F) to 32°C (90°F) (substrate).  
For maximum protection against immersion or spillage, a 2-layer system is recommended.  
To avoid sagging on vertical surfaces, the maximum thickness of the wet film should be between 500 µm - 1000 µm (20-40 mil) per layer.



### CURED TIME

	16°C (60°F)	25°C (77°F)	32°C (90°F)
Tack Free	4 hours	2 hours	1 hour
Light Load	12 hours	6 hours	3 hours
Term Overlay	16 hours	10 hours	5 hours
Full Charge	24 hours	12 hours	6 hours
Complete Chemical	48 hours	24 hours	12 hours

### CLEAN

Tools should be thoroughly cleaned immediately after use with a strong alkaline detergent.

### SAFETY

Before using any product, review the Safety Data Sheet (SDS) or Safety Data Sheet for your area. Follow standard confined space work and entry procedures, if applicable.

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### FDA COMPLIANCE

This product complies with FDA regulations: FDA 21 CFR 175.300 and FDA 21 CFR 175.105.



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