

A special two-component epoxy coating provides excellent mechanical, chemical and humidity resistances. Once fully cured, this coating forms a strong film exhibiting outstanding adhesion, hardness and flexibility. This product complies with National Iranian Standard ISIRI-2920. (Certificate No. 8635360914)

### USES AND SUITABLE PRIMERS

**Recommended Uses** Intermediate and top-coat for steel structures, brushed sandblasted Primed steel surfaces, and maintenance operations.  
**Suitable Primers** Epoxy Primer and 2400 can be over-coated by itself.

### CHEMICAL COMPOSITION

Type of Binder	Epoxy – Polyamide	Solid Content After Mixing	Silver	Other Colours
Number of Component(s)	2 Components	By Weight	74 ± 1%	77 ± 1%
Curing Mechanism	Chemical Reaction	By Volume	60 ± 2%	60 ± 2%
Flash Point	28°C (82°F)			

### PHYSICAL PROPERTIES

Finish	Glossy
Colour	White, Black, Red, Green, Blue, Yellow, Silver.
Specific Gravity after Mixing	(Silver) 1.25 ± 0.05 gr/cm <sup>3</sup>   (Other Colours) 1.45 ± 0.05 gr/cm <sup>3</sup>

### APPLICATION DETAILS

**Surface Preparation** All oil, grease, dirt and other contaminants must be removed from the surface. Sandblast according to Swedish Standard (IS 5900) Sa 2 ½ or wire brush St.2 followed by applying a suitable primer is recommended.

**Mixing Ratio** Component A: 100 Parts by weight      Component B ( 2400-B or RTB-9000 ): 20 Parts by weight

**Mixing Instructions** Mix component A thoroughly with a suitable mixer, then add component B slowly and mix well for 5 minutes. Keep the mixture for 10 additional minutes prior to thinning down to allow for the pre-reaction time. Do not thin down each component separately.

**Pot Life** 6 Hours at 25°C  
**Theoretical Consumption** 110-120 gr/m<sup>2</sup> @ 50 Microns DFT

Paint Application	Methods	Airless Spray	Air Spray	Brush	Roller
	Nozzle Size	0.009" – 0.013"	1.80 mm or 1.60 mm	---	---
	Pump Ratio	1 / 45	---	---	---
	Air Pressure	4 – 6 Bar	3 – 5 Bar	---	---
	Thinning	7 – 10% T-445	15 – 20% T-445	3 – 5% T-445	3 – 5% T-445

Film Thickness		Recommended	Minimum	Maximum
	Wet Film Thickness (µm)	85	40	125
	Dry Film Thickness (µm)	50	25	75

Drying Time@25°C	Dust Free Time	Tack Free Time	Dry to Handle	Fully Cured	Recoating Interval
	20 – 40 Minutes	2 – 3 Hours	16 – 24 Hours	10-14Days	Min. 16 Hours Max. 10 Days

*\*Drying time calculated at 25°C according to ASTM test method D-1640 for 100 µm WFT*

Application Limits	Relative Humidity	Min. ---	Max. 80%
	Temperature	Min. +5°C	Max. +40°C
	Substrate Temperature*	Min. +5°C	Max. +45°C

*\*Please note that the substrate temperature should be at least 5°C above the dew point*

**Recommendations** -Should the recoating interval have expired, please refer to the procedures outlined in the Ronass Instruction Leaflet.  
 -Clean tools thoroughly before and immediately after use with T-445.

### PACKING, STORAGE AND SAFETY

**Packing** Component A(Epoxy): 4 Litres Containers (4 kgs. Net) and Component B(Hardener): 1 Litres Containers (0.8 kgs. Net)

**Storage Conditions** To be stored in cool and dry conditions in original sealed containers.

**Shelf Life** At least 18 months after delivery in original sealed containers and proper storage conditions with temperature of 25°C.

**Safety** This product contains organic solvents and flammable materials. Keep away from sparks, fires, electrical cables and equipments, direct sunshine and out of children's reach.  
 Protect skin, eyes, and avoid prolonged breathing of solvent vapor during application. Use with adequate ventilation.