GREY SYNTHETIC PRIMER
555

Special one-component synthetic primer with excellent adhesion, hiding power and notable anti-corrosive properties. This product complies with National Iranian Standard ISIRI-1679. (Certificate No. 8623608894)

USES AND SUITABALE TOP-COATS

Recommended Uses	Primer coat for steel structures, metal surfaces and automotive refinishing systems.
Suitable Top-Coats	Alkyd paints, chlorinated rubber coatings and synthetic enamels.

CHEMICAL COMPOSITION

Type of Binder	Modified Alkyd Resin	Solid Content	70 ± 2% By Weight
Number of Component(s)	1 Component		55 ± 1% By Volume
Curing Mechanism	Solvent Evaporation and Oxidation	Flash Point	29°C (84°F)
Main Pigment(s)	Inorganic Anti-Corrosive Pigments		

PHYSICAL PROPERTIES

Finish	Matt
Colour	Silver Grey (RAL-7001)
Specific Gravity	1.25 ± 0.025 gr/cm³

APPLICATION DETAILS

Surface Preparation

Concrete, Cement and Chalk Surfaces: All oil, grease, dirt, salts and other contaminants must be removed from the surface using fresh water or acid-washing. Rid the surface of any old paint that may have been applied, and use a suitable varnish to fill any cracks.

Wood Surfaces: All oil, grease, dirt, old paint and other contaminants must be removed from the surface. Sand the surface to achieve the desired roughness and apply 1 to 2 layers of a suitable sealer to better protect against water and improve adhesion. After the sealer has dried, sand the surface to ready it for paint application.

Steel Surfaces: All oil, grease, dirt and other contaminants must be removed from the surface. Use a sanding machine or wire brush if necessary.

Theoretical Consumption

115 gr/m² @ 50 Microns DFT

Paint Application

Methods	Airless Spray	Air Spray	Brush	Roller
Nozzle Size	0.011" – 0.015"	---	---	---
Pump Ratio	---	---	---	---
Air Pressure	---	---	---	---
Thinning	7 – 10% T-411	15 – 20% T-411	3 – 5% T-411	3 – 5% T-411

Film Thickness

	Recommended	Minimum	Maximum
Wet Film Thickness (µm)	110	75	145
Dry Film Thickness (µm)	60	40	80

Drying Time@25°C

Surface Drying Time	Thorough Drying Time	Dry to Handle	Fully Cured	Recoating Interval
Max. 4 Hours	8 – 12 Hours	12 – 16 Hours	7 Days	Min. 16 Hours Max. 24 Hours

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

Application Limits

Relative Humidity	Min. ---	Max. 85%
Temperature	Min. +10°C	Max. +45°C
Substrate Temperature*	Min. +10°C	Max. +50°C

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

Recommendations

Clean tools thoroughly before and immediately after use with cleaning solvent T-111 or T-411.

PACKING, STORAGE AND SAFETY

Packing	QU: 1 Litre Containers (1.2 kgs Net) | Gall: 4 Litres Containers (4.7 kgs Net) 20 Litres Containers (20 kgs Net)
Storage Conditions	To be stored in cool and dry conditions in original sealed containers.
Shelf Life	At least 24 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.