



Silver Shield 170

Product Description

A single-component, hydrocarbon resin-based metallic finish paint containing special aluminum paste pigments. It provides a bright metallic silver appearance while offering protection against atmospheric exposure, UV radiation, and moderate heat. It is designed for use on steel structures, LPG cylinders, exhaust pipes, storage tanks, industrial equipment, and general metal surfaces where both decorative appearance and protection are required.

Properties

- Single-component application
- Attractive metallic aluminum finish
- Good UV resistance
- Heat resistant up to 170°C
- Excellent outdoor appearance retention
- Fast drying
- Easy application
- Good adhesion on primed steel surfaces
- Suitable for industrial and decorative applications

Area Of Use

- LPG cylinders
- Exhaust systems
- Steel structures
- Storage tanks
- Industrial equipment
- Pipes and pipelines
- Machinery components
- Metal furniture
- Decorative metallic finishes

TECHNICAL PROPERTIES

<i>Appearance/Color</i>	Semi-Gloss / Metallic Silver
<i>Density:</i>	0.95 ± 0.05 kg/L
<i>Volume solids %:</i>	32 ± 2 %
<i>Solids by Weight:</i>	42 ± 2 %
<i>Theoretical spreading rate:</i>	10.67 m ² /ltr (30 micron DFT) – (11.22 m ² /kg)
<i>Recommended DFT:</i> <i>(Dry Film thickness)</i>	20-30 micron
<i>Heat Resistance:</i>	Continuous exposure: 125°C Intermittent exposure: 170°C
<i>UV Resistance:</i>	Good
<i>Flash Point:</i>	25°C
<i>V.O.C.</i>	≤ 500 g/L

Technical Data Sheet



<i>Dry to touch:</i>	30 - 45 min (s) 23°C/73.4°F 50% R.H.
<i>Hard Dry:</i>	4-6 hours(s) 23°C/73.4°F 50% R.H.
<i>Recoating interval time:</i>	6-12 hours (23°C and 50% R.H.)
<i>Full dry:</i>	24 hours (23°C and 50 % R.H.)
<i>Application temperature:</i>	+10 °C/50° F and +35 °C/ 95°F

Application Details

<i>Application method:</i>	Air spray or airless spray – brush for touch up
<i>Thinner:</i>	Cellulosic
<i>Thinner Amount:</i>	10-15 % for air spray 0-5 % for airless spray

Surface Preparation:

Any dirt, oil, or rust on the metal surface must be removed. While abrasive blasting is the recommended cleaning method, a wire brush should be used if blasting is not feasible. The paint must be stirred until homogeneous before application; it is applied directly to the clean, dry surface without a primer. For optimal results, apply in two coats. Application Temperature: Ambient temperature should be between 5°C and 35°C. The metal temperature must be at least 4°C higher than the ambient temperature. Application Method: Can be applied via spray gun, brush, or dipping.

PRECEDING COAT:

None

Important Remarks:

- Stir all products thoroughly each time before use.
- Surface temperature must always be a minimum of 3°C (5°F) above dew point.

Shelf life & Storage:

12 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.

Safety:

For information and precautions on the safe handling, transportation storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Legal Notice:

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