



ADHR Aluminium

Heat resistant coating for metal surfaces

1200 - line

Description

- Air-dry coating providing moderate heat resistance to steel surfaces

Properties

- Fast drying
- Medium heat resistance (refer to Specifications)
- Metallic finish

Typical Applications

- Steel fabrications (mufflers, machinery, etc.)

General Data

- Weather resistance Generally good; chalking may occur with lengthy exterior exposure, but film integrity should not be affected
- Solvent resistance Resists splashes of hydrocarbon solvents; not recommended for continuous immersion
- Chemical resistance Fair
- Abrasion resistance Fair
- Recommended primers apply directly to bare steel

Specifications (at 25°C and 50% relative humidity)

- Resin type..... Alkyd copolymer
- Solids content..... 33% (by volume)
- Typical film thickness (per coat)..... 25 microns (dry)
75 microns (wet)
- Theoretical coverage..... 12 - 15m² / L @ 25 microns dry film thickness
- Heat resistance..... up to 150°C (continuous heat)
Up to 250°C (intermittent heat)
- Touch dry..... 10 - 15 minutes
- Hard dry..... 2 hours
- Recoating..... within 45 minutes to 6 hours, or after 72 hours
- Baking..... 10 min. @ 100°C or 15 min. @ 80°C
- Gloss..... Metallic lustre
- Colours..... Silver
- Shelf life..... minimum 12 months (in cool, dry conditions)

Surface Preparation

- Bare steel surfaces should have rust and scale removed with abrasive paper or wire brush
- Wipe with clean solvent and rags to remove grease and any other residues

Mixing recommendation

- Mix the entire contents of the can before decanting
- Stir thoroughly with a broad paddle or mechanical mixer to ensure even consistency of the product
- Thin up to 30% by volume with Wagon Paints' T4 Enamel Thinner and stir as above

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Application

- May be spray applied using airless or conventional air spray equipment
- Small areas may be coated by brush (using T5 Mineral Turpentine as thinner)
- **Airless Spray** nozzle size.....0.33 – 0.38 mm
nozzle pressure..... 2000 – 2500 psi (14 - 17mPa)
volume of thinner..... up to 10%
- **Air Spray** nozzle size.....1.6 – 2.0 mm
nozzle pressure..... 45 – 60 psi (300 - 400kPa)
volume of thinner..... 20 – 30%
- **Cleaning solvent**T4 Enamel Thinner or T12 Gunwash

Safety precautions

- **Refer to the relevant Material Safety Data Sheet**
- Contents are flammable – keep away from all ignition sources
- Avoid contact with skin and eyes – when mixing, wear gloves and goggles
- When spraying, ensure adequate ventilation and wear appropriate protective clothing and equipment

Packaging Group II **UN No. 1263**

Pack sizes 4 litre, 20 litre

Authorised: A. De Mello, Sales Manager

June 2008

These technical data and recommendations are based on tests and information believed to be accurate at the time of printing. They should not be construed as containing any warranty, either expressed or implied. Users should conduct their own tests to determine final suitability of this product.



Wagon Paints

5 Stephenson Road, Bayswater North, Victoria 3153 Australia

Phone: 61 3 97291344 Fax: 61 3 97202179 Email: sales@wagonpaints.com.au