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## TECHNICAL INFORMATION SHEET

# 296 RADIATOR BLACK

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### Description and uses:

296 Radiator Black is an alkyd based gloss enamel formulated to allow easy coating of cooling fins within radiators without interference of heat transfer and airflow.

296 Radiator Black has the following features:

- Fast drying and setup.
- Recoatable.
- Tough film properties.

Typical areas of application are:

- Radiator refurbishing industry
- Swaybars, and tools.
- Coils, springs etc.

### Technical Specifications:

FINISH: Gloss.

THINNERS: T102 or T104 thinners (other blends of solvents for specific use should be discussed with technical department)

VOLUME SOLIDS: 28 - 32%

COVERAGE: Approximately 9-10 Square metres per litre (at a D.F.T. of 30 microns).

RECOMMENDED FILM THICKNESS: 25-35 microns dry.

APPLICATION: Dipping, Conventional and Airless Spray.

DRYING AT 25°C / 50% Humidity: Touch dry 20-30 minutes  
Hard dry overnight

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| <b>APPLICATION DETAILS – PAINTING SYSTEMS</b> |                      |       |  |
|---|----------------------|-------|--|
| D.F.T. um                                     |                      |       |  |
| System<br>1                                   | 1 <sup>st</sup> Coat | 25-35 | 296 Radiator Black (Thinner T102,T104) |
|   | 2 <sup>nd</sup> Coat | 25-35 | 296 Radiator Black (optional)          |

| D.F.T. um   |                      |       |   |
|-------------|----------------------|-------|---|
| System<br>2 | 1 <sup>st</sup> Coat | 5-10  | 258 Twin Pack Etch or 260 Key-Coat (thinner T166) |
|             | 2 <sup>nd</sup> Coat | 25-35 | 296 Radiator Black (Thinner T102,T104)            |

| <b>APPLICATION DETAILS – SURFACE PREPARATION</b> |  |                    |
|--|--|--------------------|
| SUBSTRATE  | DETAILS  | RECOMMENDED SYSTEM |
| Steel  | Power tool clean to AS1627.2 class 2 or abrasive blast clean to AS1627.4 Class 2                     | 1                  |
| Aluminum and non-ferrous metals                  | Light abrasive blast or treat with 212 Metal Clean. The use of an Etch Primer will improve adhesion. | 1,2                |

## Surface Preparation:

- When overcoating; Aged paint coatings should be tested for adhesion using Crosshatch or Crosscut methods. If aged paint coating lifts remove it.
- Remove all rust, oxides, millscale and loose paint from metal surface.
- Round off all sharp edges, welding joints and weld spatter.
- All surfaces to be painted should be clean and free from dust, dirt, oil, grease and moisture.
- All abrasive blast clean ferrous surfaces should be coated within 4 hours to avoid flash rusting.
- Do not apply at temperatures below 5° Celsius. Do not apply at relative humidity above 85%, or when the substrate surface is less than 3° Celsius above dewpoint.
- Care must be taken to avoid contaminants (such as cement from scaffolding) entering dip tanks as alkyls can gel this product.

## Application Thinning:

**Brush or Roller** – Suitable for small areas only; May require Slow or Retarding Thinners (T195 / T122), to improve brushability. Thin initially 5%, then increase to suit.

**Conventional Spray** – Thinning not normally required, however a small amount of T102 or T104 may assist atomization.

**Airless Spray** – Thinning not normally required, however a small amount of T102 or T104 may assist atomization.

**Clean Up** – T102, T104 or T134 All Purpose Thinner.

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## **Application Spray, Brush & Roll:** As a Guide Use:

Brush or Roller - Suitable for small areas only.

Conventional Spray - 1.5 -2.0mm tip (or equivalent). Pressure pot set at 55 - 100kpa (8 - 15psi) and maintain gun air pressure 275 - 380kpa (40 -55psi).

Airless Spray – Use heavy-duty airless spray with 10 -15 “(0.25 – 0.38mm) plus tip and pump ratio 30:1

## **Application Dipping:**

- Dipping tanks should be mechanically agitated regularly for optimum performance and stability. Regular addition of stabilizers is recommended.
- As solvent evaporation will occur, viscosity should be monitored and thinners added as required.
- Reduction with thinners to achieve a suitable dipping viscosity must be performed and viscosity measured with a flow cup [25 -30 seconds @ 25'c].

## **Safety Instructions:**

Storage: Store in a cool, dry banded area out of direct sunlight as required for Flammable liquids DG Class 3, PG II, Hazchem 3(Y)E.

Flammability: Highly flammable, all sources of ignition must be eliminated in or near area of use, on burning fumes emitted are toxic. Do not smoke in immediate area.

Handling: Adopt adequate Occupational Work Practices to avoid personal contamination with product. Always wash hands before smoking, eating, drinking or using toilet. Food and Drink should be to stored and consumed in separate area.

Personal Protection: Avoid contact with skin or eyes; wear suitable clothing such as impervious overalls, PVC or neoprene gloves, safety goggles and face mask.

Using: Avoid inhalation of spray mist and vapours – use with adequate ventilation and suitable Personal Protection Equipment (PPE).

Engineering controls: Ensure ventilation is adequate. When spraying, ensure product is applied in a fully functional spray-booth. Keep containers closed when not in use. Do not use near ignition sources.

## **REFER MSDS BEFORE USE**

(Phone 02 9688 1999 or refer to [www.lacnam.com.au](http://www.lacnam.com.au) for copy MSDS)

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