



300DE DURENAMES TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

Fast-drying, single-pack industrial enamel designed for use on correctly prepared steel substrates. It provides excellent adhesion, good exterior durability, and fast recoat properties, making it suitable for fabrication, maintenance, and general industrial applications.

PRODUCT DETAILS

Product Code: 300DE Series

Product Type: Single Pack Air-Drying Enamel

Finish: Gloss and Low Sheen

Standard Colours: White, Black, and selected colours (custom tints subject to minimum order quantities)

KEY PROPERTIES

Thinning: Up to 20% with recommended Enamel Thinner (101ET-0001) only

Drying Time: Tack Free 10–20 minutes (at 25°C)

Recoat Time: 3–4 hours (wet-on-wet recoating possible after 10–15 minutes – spray application only)

Exterior Exposure: Good exterior durability (primer required for exterior service)

Theoretical Coverage: 15–20 m²/L

Practical Coverage: 6–8 m²/L (spray applied)

Specific Gravity: 1.00 – 1.25

Weight Solids: 40 – 50%

Volume Solids: 30 – 40%

VOC Content: Approx. 400–600 g/L (for regulatory reporting purposes)

PACKAGING

4 Litre, 20 Litre

RECOMMENDED PRIMERS

320SP Structural Primer

320CP Uniprime

120EP Etch Primer (for aluminium and galvanised steel)

NOTE: 300DE Durenamel may be applied directly to correctly prepared mild steel for low-corrosivity interior environments. For exterior exposure or corrosive environments, the use of a suitable primer is mandatory to achieve system durability.

TYPICAL USES

Structural and fabricated steel; Industrial machinery and equipment; Truck and trailer components; Agricultural equipment and tractors; Bus chassis; Metal furniture; Tools and general maintenance items.

APPLICATION EQUIPMENT

Conventional Spray Gun; HVLP Spray Gun. Brush or roller application is not recommended except for minor touch-ups.

APPLICATION CONDITIONS

Substrate & Air Temperature: Above 10°C and below 40°C

Relative Humidity: Below 80%

SURFACE PREPARATION

Correct surface preparation is critical to performance.

BARE STEEL

- Ensure surfaces are free from dirt, grease, oil, and contaminants in accordance with AS 1627.1. Remove weld spatter and sharp edges, round welds where possible. Abrasive blast clean in accordance with AS 1627.4 to a Class 2.5 (near white metal) finish, achieving a surface profile of 40–70 microns, or mechanically abrade where blasting is not possible. Remove all dust and residues by vacuuming or brushing.
- Solvent wipe surface clean using approved **Wax and Grease Remover (101WG)**.
- Prime surface with **120EP Etch Primer** or **320SP Structural Primer** (follow individual data sheet guidelines).

Topcoat with 300DE Durenamel.

PREVIOUSLY PAINTED SURFACES

- Remove loose or flaking paint by mechanical means. Remove corrosion back to bare metal and spot prime exposed metal using **120EP Etch Primer**.
- Lightly abrade sound coating to promote inter-coat adhesion and wipe clean.
- Topcoat with **300DE Durenamel**, (APPLICATION PROCEDURE)

GALVANISED STEEL, ALUMINIUM, ZINCALUME

- Fresh galvanised steel should be allowed to weather for a minimum of 40 days before coating.
 - Clean surfaces by brushing off dirt and grime, then solvent wipe using **101WG Wax and Grease Remover**. **Do not abrade the surface**.
 - Prime with **120EP Etch Primer** (follow data sheet recommendations).
 - Topcoat with **300DE Durenamel**, (APPLICATION PROCEDURE).
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APPLICATION PROCEDURE

- Apply one uniform coat to achieve a dry film thickness (DFT) of 30–50 microns.
- Allow to dry for 3–4 hours at 25°C before handling or recoating.
- Where required, apply a second coat wet-on-wet after 10–15 minutes (spray application only) or after full cure.

Recommended maximum total system DFT: 80 - 100 microns. Avoid excessive film build. Force curing at approximately 40°C will reduce tack-free and handling times.

LIMITATIONS

Not recommended for immersion service. Not suitable for exposure to strong solvents or chemicals. Not designed for continuous service above 80°C. Not recommended for full brush or roller application.

STORAGE AND HANDLING

Store in original sealed containers in a cool, dry, well-ventilated area. Protect from extreme temperatures and direct sunlight. Stir thoroughly before use.

SAFETY INFORMATION

Always refer to the current Safety Data Sheet (SDS) before handling or applying this product. Appropriate personal protective equipment, including respiratory protection when spraying, must be used.

DISCLAIMER & LIMITATION OF LIABILITY

All information, recommendations, and advice provided by Intec Coatings Pty Ltd regarding the use of this product are given in good faith and are based on current knowledge and experience. As conditions of use are beyond the control of Intec Coatings, no warranty is given. The user is responsible for determining the suitability of this product for the intended application. To the maximum extent permitted by law, Intec Coatings Pty Ltd shall not be liable for any loss or damage arising from the use or misuse of this product.

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