



280IC INTACRYL TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

Fast-drying, single-pack solvent-based acrylic lacquer designed for use on correctly prepared metal substrates. 280IC Intacryl provides excellent toughness, very good petrol resistance, fast recoat properties, and very good exterior durability, making it suitable for fabrication, maintenance, and general industrial applications.

PRODUCT DETAILS

Product Code: 280IC Series

Product Type: Single Pack Air-Drying Acrylic Lacquer

Finish: Gloss and Satin

Standard Colours: Full colour range available via tinting

KEY PROPERTIES

Thinning: Use Universal Slow Thinner (101UT-1002) only

Tack Free: 10–20 minutes (at 25°C)

Recoat Time: 2–4 hours

Exterior Exposure: Very good exterior durability

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. 390 g/L

PACKAGING

- 4 Lt, 20 Lt

RECOMMENDED PRIMERS

- 120PE Etch Primer
- 460IP Intepoxy

TYPICAL USES

Suitable for coating correctly prepared: industrial machinery, agricultural equipment and tractors, metal furniture, water tank externals, and general-purpose industrial components where a durable acrylic lacquer finish is required.

APPLICATION EQUIPMENT

- Conventional Spray Gun
- HVLP Spray Gun

Note: 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 METAL

1. Ensure surfaces are free from dirt, grease, oil, mill scale, and contaminants in accordance with AS 1627.1.
2. Remove weld spatter and sharp edges, round welds where possible.
3. Abrasive blast clean to a minimum of AS 1627.4 Class 2.5, achieving a surface profile of 40–70 microns, or mechanically abrade where blasting is not possible.
4. Remove all dust and residues by vacuuming or brushing.
5. Wipe surface clean with 101WG Wax and Grease Remover.
6. Prime with one coat of 120PE Etch Primer (15–25 microns DFT) and allow to air dry 30min (Follow Data Sheet recommendations).
Alternatively: Apply one coat of epoxy primer (440EP / 450EP) at 50–60 microns DFT and allow to cure overnight.
1. Apply 280IC Intacryl Apply 280IC Intacryl (Follow ‘Application Procedure’).

PREVIOUSLY PAINTED SURFACES

1. Remove loose or flaking paint and surface rust by mechanical means.
2. Lightly abrade sound coatings and brush away dust residues to promote inter-coat adhesion.
3. Wipe clean using approved 101WG Wax and Grease Remover.
4. Spot prime bare metal areas with 120PE Etch Primer and allow a minimum of 30 minutes curing.
5. Apply 280IC Intacryl Apply 280IC Intacryl (Follow ‘Application Procedure’).

GALVANISED STEEL & ALUMINIUM

1. Fresh galvanised surfaces must be allowed to weather for a minimum of 40 days prior to coating.
2. Clean surfaces by solvent wiping using approved Wax and Grease Remover. Do not abrade.
3. Prime with 120PE Etch Primer in accordance with data sheet recommendations.
4. Apply 280IC Intacryl (Follow ‘Application Procedure’).

APPLICATION PROCEDURE

1. Apply one uniform coat of 280IC Intacryl to achieve a dry film thickness (DFT) of 30–50 microns.
2. Allow to air dry for 2–4 hours at 25°C before handling or recoating.
3. Where required, lightly sand with fine paper and apply a second coat to achieve a total system build of 60–100 microns (DFT).

Force curing at approximately 40°C will reduce tack-free and handling times.

RECOATING GUIDELINES

- Avoid excessive film build. Heavy coats may cause solvent entrapment or intercoat reactions.
- Multiple light coats are recommended.
- Extended recoat times may be required when applying over unknown or aged coatings.

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 must be used during application.

DISCLAIMER & LIMITATION 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, surface preparation, application methods, and environmental factors are beyond the control of Intec Coatings, no guarantee or warranty—express or implied—is given as to product performance in any specific application.

To the maximum extent permitted by law, Intec Coatings Pty Ltd shall not be liable for any loss, damage, or consequential harm arising from the use or misuse of this product. Nothing in this statement excludes or limits any rights, remedies, or warranties that cannot be excluded under applicable Commonwealth, State, or Territory legislation.

Product performance is dependent on strict adherence to the recommended surface preparation and application procedures outlined in this Technical Data Sheet.

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