



## 210NL ENSILAC TECHNICAL DATA SHEET

Single pack nitrocellulose lacquer designed for interior furniture and general wood or metal applications. Ensilac provides fast drying, good film build, and flexible performance suitable for industrial production environments

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### PRODUCT PROPERTIES

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| <b>Product:</b>                    | Single pack nitrocellulose lacquer                                                         |
| <b>Gloss Levels:</b>               | 100%, 50%, 30%, 15% (other gloss levels available on request)                              |
| <b>Colours:</b>                    | Clear or tinted colours                                                                    |
| <b>Thinning / Clean Up:</b>        | Lacquer Thinner or Universal Thinner (up to 30% by volume)                                 |
| <b>Drying Time:</b>                | Tack free 20–30 minutes. Recoat 2–3 hours                                                  |
| <b>Interior Exposure:</b>          | Very Good                                                                                  |
| <b>Exterior Exposure:</b>          | Fair                                                                                       |
| <b>Yellowing Characteristics:</b>  | Typical of nitrocellulose lacquer                                                          |
| <b>Container Size:</b>             | 4 L, 20 L                                                                                  |
| <b>Coverage:</b>                   | Theoretical: 15–20 m <sup>2</sup> /L, Practical: 6–8 m <sup>2</sup> /L (spray application) |
| <b>Solids Content (by weight):</b> | White base: 40–60%, Clear base: 30–40%                                                     |
| <b>Volume Solids:</b>              | 20–30%                                                                                     |
| <b>VOC:</b>                        | <400 g/L                                                                                   |
| <b>Formaldehyde:</b>               | Free                                                                                       |
| <b>Isocyanate:</b>                 | Free                                                                                       |
| <b>Heavy Metals:</b>               | Free                                                                                       |

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### PRODUCT USES

Ensilac is a fast-air-drying nitrocellulose lacquer suitable for interior furniture, children's furniture, and general timber or metal substrates when correctly primed. When used over approved sealers, the system is suitable for applications requiring reduced chemical content. Ensilac exhibits short recoat times, flexible films, and good durability for interior service conditions.

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## USER INSTRUCTIONS

The following application information is provided as general guidance only. Adjustments may be required depending on substrate condition, equipment, and environmental conditions.

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## APPLICATION EQUIPMENT

- Conventional spray equipment
  - HVLP Spray gun
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## SURFACE PREPARATION

### Timber

Timber must be clean, dry, and suitably prepared for coating. Sand surfaces with 120–180 grit paper to remove raised grain and surface imperfections. Remove all sanding dust prior to coating.

### Metal

Ensure surfaces are free from oil, grease, dirt, and scale. Prepare metal substrates in accordance with AS 1627.1. Abrasive blast clean to AS 1627.4 Class 2.5 with a surface profile of 40–70 microns. Remove dust and residues prior to priming.

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## SYSTEMS

### SYSTEM 1 – METAL FERROUS AND NON-FERROUS (ALUMINIUM / STAINLESS / GALVANISED)

1. Prime with 120PE Etch Primer and allow 30 minutes cure.
  2. Apply a coat of Ensilac.
  3. If another coat of Ensilac is needed, allow two hours drying and repeat step 2. (*Force drying @ 40°C may reduce recoat time to approx. 30 minutes*)
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### SYSTEM 2 – TIMBER HIGH BUILD FINISH

1. Prime with 225DS Duraseal and allow 2 hrs. drying.
  2. Sand with 240–320 grit paper.
  3. Apply a 210NL Ensilac.
  4. If another coat of Ensilac is needed, allow two hours drying and repeat step 3.
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## SYSTEM 3 – CHILDREN’S FURNITURE / TIMBER

1. Prime with 215HV Nitroseal and allow 2 hours drying.
  2. Lightly sand with 320 - 400 grit.
  3. Apply a coat of 210NL Ensilac.
  4. If another coat of Ensilac is needed, allow two hours drying and repeat step 3.
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## SYSTEM 4 – MDF/PARTICLE BOARD

Sand all routed, sawn sections and edges with 180-240 grit paper or mechanical sander. Remove dust by wiping, broom, or brush. Using a brush, lightly apply Precat Sealer to stabilize routed or cut sections and allow to dry at least 2 hrs. Ensure surfaces are clean, dry, and free from oil, silicone, and other contaminants.

1. Apply one coat of 225DS Duraseal and allow 2 hours drying @ 25°C, allow longer dry times for cold weather.
  2. Lightly sand with 320 - 400 grit.
  3. Apply a coat of 210NL Ensilac.
- If another coat of Ensilac is needed, allow two hours drying and repeat step 3.
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## PRECAUTIONS

Avoid excessive film build as this may extend drying and recoat times and increase the risk of film defects. Heavier coats may require longer DRYING intervals.

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## KEY LIMITATIONS

Nitrocellulose lacquers will yellow over time. Ensilac is intended for interior use and is not recommended for areas subject to persistent moisture, water pooling, or high humidity.

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## STORAGE AND HANDLING

- Store in original, sealed containers
  - Keep in a cool, dry, well-ventilated area.
  - Protect from extreme temperatures and ignition sources.
  - Stir thoroughly before use.
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## 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.

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## DISCLAIMER

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