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210NL Ensilac

210NL Ensilac is a high quality Formaldehyde free Nitrocellulose single pack lacquer. Ensilac is available in a full colour range in satin 30% and gloss 100% or can be individually matched as required. Ensilac clear is available in 100%, 50%, 30% and 15% gloss levels.

- **Product:** Ensilac Lacquer.
- **Standard Colours:** Can be tinted to full colour range.
- **Colour Gloss Level** Available in gloss 100%, semi gloss 50% and satin 30%. (Other gloss levels available upon request in minimum batch sizes)
- **Clear Gloss Level** 100%, 50%, 30%, 15%
- **Thinning:** Lacquer Thinner 101LT-0001, Universal thinner 101UT-0002
(Up to 30% by vol.)
- **Drying Time** Tack free 20-30 minutes. Recoat 2-3 hours.
(May be force cured in an oven at 40° C for 20min and recoated when the substrate has reached ambient temperature.)
- **Interior Exposure** Very Good
- **Exterior Exposure** Fair 6-12 Months
(It is recommend that coated articles be protected from direct sun light for extended durability)
- **Yellowing** Typical of Nitrocellulose Lacquer
- **Container Size** 4Lt, 20Lt
- **Primer**
 - Metal**
 - 105 Etch Primer, and 135 Epoxy primer
 - Timber**
 - 205 Sovereign Sealer
- **Coverage** Theoretical 15-20 square metres per litre
Practical 6-8 square metres per litre (Spray Application)

Uses: Ensilac is free from formaldehyde, isocyanates and colours are all free from heavy metals and lead. When used over Nitroseal HV, the system is suitable for coating children's toys and furniture. Used as a quick air drying lacquer over suitably prepared and primed timber or metal substrates for interior furniture. Exhibits short recoat times and tough flexible films.

APPLICATION

Metal

System 1/

Ensure surface is free from dirt and grease or metal scale.

Round off all welds and sharp edges. Grind off any weld spatter and remove grease, oil and other contaminants in accordance with AS1627.1. Prepare metal surface by mechanical sanding or abrasive blast clean to a minimum of AS1627.4 Class 2.5 with a blast profile of 40 – 70 micron. Remove all dust or contaminants by brushing or vacuum cleaning.

1st Coat 450 Intepoxy primer, allow 12 hours cure. (40-60 micron dft)
NB: dft- Dry Film Thickness.

2nd Sand with 400 grit paper and topcoat with 210NL Ensilac
(40 – 60 micron dft)

3rd Allow 2nd coat to cure at least 2 hours. Lightly sand with 400grit paper and recoat as outlined in step 2

Note heavier coats will require longer recoat times
(Force curing @ 40° C will allow recoat times of 30 min)

System 2/

1st Coat 120PE Etch primer, allow 2 hours cure.

2nd Coat 210NL Ensilac

3rd Allow 2nd coat to cure at least 2 hours. Lightly sand with 400 grit, and recoat with 210NL if required.

Note heavier coats will require longer recoat times
(Force curing @ 40° C will allow recoat times of 30 min)

Timber

System 1/

1st Prime with suitable Polyurethane or Polyester basecoat and allow to cure as per manufacturers specification.
(60-80 micron dft)
NB: dft- Dry Film Thickness.

2nd Sand with 320 grit paper and topcoat with 210NL
(40 – 60 micron dft)

3rd Allow 2nd coat to cure at least 2 hours. Lightly sand with 320grit paper and recoat as outlined in step 2

Note heavier coats will require longer recoat times
(Force curing of Ensilac @ 40° C will allow a recoat time of approx 30 min)

System 2/

1st Coat 215HV Nitro Seal, 220PS Precat Sealer or 225DS Duraseal and allow for 2 hours cure.

2nd Coat 210NL Ensilac to 40 – 60 micron dft

3rd Allow 2nd coat to cure at least 2 hours. Lightly sand with 400 grit, and recoat with 210NL if required.

Note heavier coats will require longer recoat times

(Force curing @ 40° C will allow recoat times of 30 min)

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