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200IL INTELAC

Intelac is a high quality, single component, nitrocellulose lacquer. Formulated for industrial application on interior furniture and general woodwork. Intelac delivers a high build with silky smooth feel.

- **Product:** Alkyd modified nitrocellulose lacquer.
- **Gloss** 10%, 30%, 60%, 100% gloss levels.
- **Thinning:** Lacquer Thinners, Universal slow reducer.
(Intelac may be thinned up to 10% by vol.)
- **Drying Time** Tack free 20-30 minutes. Recoat 2-3 hours.
(Oven curing for 20 min @ 40° C may reduce recoating schedule to approximately 30 min. Allow timber to cool to approximately ambient temperatures before recoating.)
- **Interior Exposure** Very Good
- **Yellowing Characteristics** Typical of nitrocellulose-based lacquer.
- **Water Resistance** Suitable only for splash resistance, typical of nitro-cellulose lacquers. Wet areas should be coated with two component chemically resistant coatings such as polyurethanes.
- **Exterior Exposure** Not suitable (Must be protected from direct sunlight, rain, and water condensation)
- **Container Size** 4Lt, 20Lt
- **Sealer** May be used as a self-sealing system however for open grain timber it is recommended to seal with Intec 'Precat Sealer' or 'Duraseal' high build sealer. May also be applied over suitable two component polyurethane sealers.
- **Coverage** Theoretical 15-20 square metres per litre
Practical 6-8 square metres per litre (Spray Application)

Uses:

Used as an industrial grade quick drying NC pre-catalysed lacquer over suitably prepared and sealed timber and MDF surfaces. Intelac is ideal for use in industrial production lines for coating internal furniture, paneling, and general woodwork. Exhibits excellent film build with exceptional feel, ease of use, short recoat times and good durability.

APPLICATION EQUIPMENT

- HVLP Spray Gun, Conventional Spray Gun

(Not suited for brush or roller application)

APPLICATION/PREPARATION

Timber must be of suitable grade for furniture manufacture with a moisture content not exceeding 12%. Timber must be prepared and sanded with at least 180 grit paper ready for application of coatings. Avoid applying coatings over oily timbers or knots containing sap, a suitable barrier coat may be necessary to avoid delamination or discolouration of topcoats.

SYSTEM 1/ SELF SEALING

Clear

1. Apply self sealer coat of Intelac and allow 2 hours cure @ room temperature.
2. Sand with 320 - 400 grit paper and recoat with Intelac at the desired gloss level.
3. If a third coat is needed allow two hours cure and repeat step 2.
4. If a third coat is needed allow two hours cure and repeat step 3.

Stained

1. Apply stain of desired colour and allow for recommended drying time.
2. Apply self sealing coat of Intelac and allow 2 hours cure @ room temperature.
3. Sand with 320 - 400 grit paper and recoat with Intelac at the desired gloss level.
4. If a third coat is needed allow two hours cure and repeat step 3.

SYSTEM 2/ SEALING OPEN GRAIN TIMBER, MDF and PARTICLE BOARD

Clear

1. Apply 220PC Precat Sealer or Duraseal High Build sealer and allow 1-2 hours cure @ room temperature.
2. Sand with 320 - 400 grit paper and recoat with Intelac at the desired gloss level.
3. If a second coat is needed allow two hours cure and repeat step 2.

Stained

1. Apply stain of desired colour and allow for recommended drying time.
2. Apply 220PC Precat Sealer or Duraseal High Build sealer and allow 1-2 hours cure @ room temperature.
3. Sand with 320 - 400 grit paper and recoat with Intelac at the desired gloss level.
4. If a third coat is needed allow two hours cure and repeat step 3.

Note heavier coats will require longer recoat times.

(Force curing of Intelac @ 40° C will allow a recoat time of approx 30 min)

Precautions:

Heavier coats will require longer recoat times. Care must be taken not to apply excessively high film builds of precatalysed lacquers of this type as this may lead to film defects and cracking.

Although Intelac is made from yellow resistant resins, nitrocellulose lacquers will yellow with age to some degree. Clear lacquer film will not prevent timber discolouration upon exposure to UV light.

Intelac exhibits good splash resistance to water however, single component nitrocellulose lacquers are not recommended for use on vanity or kitchen benchtops which may be exposed to water pooling, or in areas exposed to high humidity, in such conditions two component chemical resistant coatings such as polyurethanes are recommended.

Single component Precat sealer may be replaced with a suitable two component Polyurethane sealer if higher film builds, and improved resistance properties are required. Follow the recommended recoat times of the sealer used and sand between coats with 320 – 400 grit sandpaper.

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