



215NS NITROSEAL TECHNICAL DATA SHEET

High build, single component nitrocellulose sealer formulated for industrial application on interior furniture, MDF, particleboard, and general woodwork. Nitro Seal delivers excellent film build, hold-out, sanding characteristics with fast recoat times and is formaldehyde free.

PRODUCT PROPERTIES

Product:	Single component nitrocellulose sealer
Colours:	Clear, White, Black (colour match on request)
Thinning / Clean Up:	Lacquer Thinners or GP Thinners (up to 30% by volume)
Drying Time:	Tack free 10–15 minutes.
Exterior Exposure:	Not suitable
Yellowing Characteristics:	Typical of nitrocellulose-based lacquer
Water Resistance:	Suitable only for splash resistance typical of nitrocellulose sy Lacquers.
VOC:	<400 g/L
Volume Solids:	20–25%
Container Size:	4 L, 20 L
Coverage:	Theoretical: 10–15 m ² /L, Practical: 6–8 m ² /L (spray applied)

PRODUCT USES

Nitro Seal is a formaldehyde-free nitrocellulose sealer suitable for use over timber, MDF, and particleboard substrates. Free from isocyanates and heavy metals, Nitro Seal is suitable for children's furniture when used in accordance with recommended application procedures.

USER INSTRUCTIONS

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

APPLICATION EQUIPMENT

- Conventional spray gun
 - HVLP spray equipment
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SURFACE PREPARATION

Timber and engineered wood substrates must be clean, dry, and free from oil, grease, silicone, or other contaminants. Sand surfaces with 180–240 grit sandpaper to remove raised grain and surface imperfections. Remove all sanding dust prior to coating.

SYSTEMS

SYSTEM 1 – CLEAR TIMBER

1. Apply one coat of 215NS Nitroseal and allow approximately 1 hour drying @ 25°C (longer in cold conditions).
 2. Lightly sand with 320–400 grit paper.
 3. Apply 210NL Ensilac topcoat at the desired colour and gloss level.
 4. If additional coats are required, allow 2hrs. recoat time, lightly sand, and repeat step 3.
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SYSTEM 2 – STAINED TIMBER

1. Apply stain of desired colour and allow to dry as recommended by the stain manufacturer.
2. Apply one coat of 215NS Nitroseal and allow approximately 1 hour drying @ room temperature.
3. Sand with 320–400 grit paper.
Apply a coat of 210NL Ensilac at the desired gloss level.
4. If additional coats are required, allow suitable recoat time, lightly sand, and repeat step 4.

(Force curing @ 40°C may reduce recoat time to approx. 30 minutes)

PRECAUTIONS

Avoid excessive film build as this may increase drying and recoat times and may result in film defects. Heavier coats may require extended curing times, particularly in cool or humid conditions.

KEY LIMITATIONS

Nitrocellulose systems will yellow over time. Clear films will not prevent timber discolouration due to UV exposure. Nitroseal is intended for interior use only and is not recommended for areas subject to persistent moisture, water pooling, or high humidity. For such environments, two-component chemically resistant coating systems are recommended.

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.

DISCLAIMER

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