



220PS PRECAT SEALER TECHNICAL DATA SHEET

Product Overview

220PS Precat Sealer is a single-component pre-catalysed nitrocellulose sealer formulated for industrial interior furniture and general joinery applications. It is designed to provide effective sealing, good sanding properties, and film build when applied to properly prepared timber substrates under suitable conditions.

Typical Applications

220PS Precat Sealer is commonly used for interior applications including: - Industrial furniture - Cabinetry and joinery - Timber components - Particleboard and MDF

Product Characteristics

Product Type:	Pre-catalysed nitrocellulose sealer
Finish:	Low Sheen
Gloss Level:	10–20% @ 60°
Colour:	Clear
Application Method:	Spray application recommended.
Topcoat Recommendations:	Single component Nitrocellulose Lacquers and Pre catalysed lacquers, Acrylic Lacquer and 2k Acid catalysed Lacquers.

Key Performance Properties *(indicative only)*

Dry Time (25°C):	Tack free: approximately 5–10 minutes.
Recoat:	approximately 1 hour (ambient)
Thinning:	Up to 5% by volume using lacquer thinners or universal slow reducer
Volume Solids:	20–25%
VOC Content:	<250 g/L
Theoretical Coverage:	15–20 m ² /Lt, Practical Coverage: 6–8 m ² /Lt (spray applied)

Actual performance will vary depending on substrate condition, application method, film build, environmental conditions, and operator technique.

Substrate Suitability

Key Limitations

- **Interior use only**
 - Limited water resistance (splash resistance only)
 - Subject to yellowing typical of nitrocellulose systems
 - Excessive film builds may lead to coating defects.
 - Not recommended for wet or high-humidity environments
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Application Instructions

The following application instructions are provided as general guidance for typical industrial use. Adjustments may be required depending on substrate condition, equipment, and environmental conditions.

Application Equipment

- Conventional spray equipment
- HVLP spray equipment

Brush or roller application is not recommended except for minor touch-ups.

Mixing & Thinning

1. Stir product thoroughly before use.
2. Thin up to 5% by volume using approved lacquer thinners if required for spray application.

Surface Preparation

Timber

Remove all raised grain and imperfections from timber surface, sand with 180-240 grit paper or mechanical sander. Remove dust by wiping, broom, or brush. Ensure surfaces are clean, dry, and free from oil, silicone, and other contaminants.

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.

APPLICATION

Timber furniture, general woodwork.

Clear Finish

1. Apply one coat of Precat Sealer and allow 1 hour cure @ 25°C, allow longer dry times for cold weather.
2. Lightly sand with 320 - 400 grit paper and recoat with topcoat of choice, (refer to topcoat recommendations).
3. If a third coat is needed allow two hours drying and repeat step 2.

Stained Finish

1. Apply stain of desired colour and allow for recommended drying time.
2. Apply one coat of Precat Sealer and allow 1 hour cure @ room temperature, longer dry times for cold weather.
3. Sand with 320 - 400 grit paper and apply topcoat of choice (refer topcoat recommendations).
4. If a third coat is needed allow two hours drying and repeat step 3.

MDF/PARTICLE BOARD

Clear Finish

1. Apply one coat of Precat Sealer and allow 1 hour cure @ 25°C, allow longer dry times for cold weather.
2. Lightly sand with 320 - 400 grit paper and apply a topcoat of choice (refer topcoat recommendations).
3. If a third coat is needed allow two hours cure and repeat step 2.

Stained Finish

1. Apply stain of desired colour and allow for recommended drying time.
2. Apply one coat of Precat Sealer and allow 1 hour cure @ room temperature, longer dry times for cold weather.
3. Sand with 320 - 400 grit paper and coat with topcoat of choice (refer topcoat recommendations).
4. If a third coat is needed allow two hours cure and repeat step 3.

Drying and recoating times are influenced by temperature, humidity, airflow, and applied film thickness. Cooler conditions, high humidity, or heavier film builds may significantly extend drying times.

Force curing may be used where appropriate; allow substrates to cool to ambient temperature before recoating.

Storage & 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.

Important Notice

The information, recommendations, and advice contained in this Technical Data Sheet are provided in good faith and are based on Intec Coatings' current knowledge and experience at the time of publication. While believed to be accurate, no warranty, express or implied, is given as to accuracy, completeness, or suitability for any particular purpose. As Intec Coatings has no control over surface preparation, application methods, site conditions, or materials used, no responsibility can be accepted for performance or failure arising from factors beyond its control or from use outside recommended guidelines. Users must determine suitability for their intended application and carry out appropriate testing prior to full use. Product information is subject to change without notice. Nothing in this disclaimer excludes, restricts, or modifies any rights under Australian Consumer Law.

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