

# 8500



## ***850 Spraythane***

AFTER 15 YEARS, STILL AUSTRALIA'S FAVOURITE

Easy to use and FAST.

850-series polyurethanes are among the most popular and easy coating systems in Australia – simply mix and start spraying for a fantastic result.

Amazingly rapid curing means turnaround from spraying to packing is minimised.

---

## Key Product Features

- Part Bs provide solvent boil resistance in hot and humid conditions.
  - Fast application with minimal dry times.
  - Spraythane has rapid touch dry and can be print free in 2 hours @ 25°C.
  - Excellent mar-resistant finish in all gloss levels.
  - Gloss will cut and buff if required.
  - Virtual non-yellowing interior durability.
  - Available in gloss, satin and matt.
  - Three part B's available, intermixable to allow personalised curing rates.
- 

## Ideal Use

850 Clear is being used throughout Australia and South East Asia by large and small companies alike for kitchens, bathrooms, furniture and commercial fixtures. Interior finishing only, excellent mar (scratch and chip) resistance. Chemical and stain resistant to all household cleaners, food and solvents.

---

## Available Sizes

PART A (850A) is available in **1L, 3L, 6L, 9L and 15L** cans  
PART B (850B, 854B and 856B) is available in **1L and 5L** sizes  
**Kits (A+B) in 4L, 8L, 12L and 20L are also available**  
**MIXING RATIO (A:B) IS 3:1 – product must be applied strictly as specified.**

---

## Gloss Levels

850 Spraythane Clear is available in full gloss (95–100%), satin (55–65%) and matt (25–35%) finishes.

---

## Coverage Rate

Approximately three square metres per mixed litre in practice. Variations to coverage and loss from overspray can occur due to many variables, including: shape and size of the substrate, gun type and settings, gloss level of the product and the colour selected.

---

## Mixing

**MIX BY VOLUME 3 part of “A” to 1 part of “B”.**

Stir separately Part “A” and Part “B” thoroughly. Ensure only the quantity that can be applied within the normal pot life is mixed at any one time. Stir thoroughly with a flat blade stirrer (not round) before use.

---

## Thin Quantity

**Thin up to 5% with 850S or 900S solvent if required.**

850 Spraythane Clear is generally ready to spray once mixed. Higher temperatures and some satin and matt may require up to 5% thinning.

Using a faster Part B (such as 850B) in hot or humid weather can lead to loss of flow and possible solvent boil. Using slower combinations (e.g. 856B and 5% solvent) in cool conditions may cause sagging, mild colour variation and longer through-cure times.

---

## Working Temperature



### PART B SELECTION



**THINNER NOT NORMALLY REQUIRED – 850 IS READY FOR USE**

<b>Compatible Products</b>	<p><b>Compatible Primers:</b> 145E etch primer (for metal substrates); and 730/731 polyurethane, and 750/766 polyester sanding primers (for timber/MDF)</p> <p><b>Part B Hardener:</b> 850B (for cool–mild conditions); 854B (for medium–hot conditions); and 856B (for hot–extreme conditions)</p> <p><b>Spraying Solvents (only if required, see POT LIFE):</b> 850S (solvent for normal conditions); and 900S (solvent for warm–extreme conditions)</p>
<b>Pot Life Estimates</b>	<p><b>The estimated pot life at 20°C is 2–3 hours.</b></p> <p>Higher temperatures will affect pot life. During the pot life the material viscosity will increase. Slight thinning using either 850S or 900S towards the end of pot life may be required to maintain spraying viscosity.</p>
<b>Dry Times*</b>	<p><b>Touch Dry:</b> 8–15 minutes</p> <p><b>Print–Free:</b> 2–3 hours</p> <p><b>Recoat:</b> 3–4 hours (if no sanding is required); overnight if sanding is needed</p> <p><b>Time to Packing:</b> 8–24 hours from final coat</p> <p>*Stated times are based on using 850B in normal conditions. All dry times are dependent upon working temperature, part B and solvent selections.</p>
<b>Suggested Equipment</b>	<p><b>Conventional Spray Gun:</b> Use a premium two–pack gun such as the Anest Iwata W200.15 at 275–310kpa (40–45psi).</p> <p><b>Pressure Pot:</b> Set pressure to 55kpa (8psi) and maintain gun pressure at 275kpa (40 psi).</p>
<b>Important Application Information</b>	<p>Mix or handle product in a spray booth or equivalent ventilated space. Spray application in a spray booth is required using a positive pressure air–fed face mask.</p>
<b>Pre–Prep</b>	<p>Air clean prepared surface, wipe over with a dampened lint–free cloth or tack cloth removing all dust or fine particles. Change cloth regularly.</p>
<b>Preparation</b>	<p>Sand down timber substrate with 180 free–cut paper. Fill nail and screw holes etc with putty or Timbermate filler in a matching colour and allow to dry. Then sand entire surface and filled areas with 240 free–cut paper and dust off.</p> <p><b>STAINING:</b> Staining and effects such as aging can be achieved by using 506/508 Fade Resistant Dye Stains. Refer to the data sheet D506 for full details.</p>
<b>Application</b>	<p><b>OPEN GRAIN FINISHING: Self–sealing</b> – for an open grain finish, 850 Clears can be an effective sealer in their own right. Thin 10–20% with 850S Solvent and apply one or two double wet coats to prepare the substrate. Alternatively, 866 is a specifically designed clear polyurethane sanding sealer which has outstanding “grain wetting” properties. For more information, please refer to the 866 Sanding Sealer data sheet.</p> <p><b>Sanding</b> – remove any surface irregularities, grain raising, contaminants or air release bubbles by sanding smooth with 320 free–cut paper. Air blow the surface clean and wipe down with solvent (such as I900S) to eliminate the chance of grain whitening before re–coating with Evic 866 Sanding Sealer. <b>Finishing</b> – apply 850 in two or three double header cross coats overlapping each pass by 50%; allowing 2–10 minutes between each double header. Always spray away from yourself to minimise overspray. Alternatively, apply two double header coats, rack and allow 45–60 minutes drying at 25°C, then without sanding, recoat with two finishing flow coats.</p> <p>This system of sealing the primer first then – after 1 hour drying – applying the finishing coats gives an outstanding high–gloss finish. If intercoat sanding is required in this case, cut back with 320–500 grit sandpaper, or 3M P600 Sanding disk.</p>

---

## Application

**CHOKED FINISHES: Sealing** – apply two or three double wet coats of 866 Sanding Sealer, thinned 10–20% with 850S or 900S Solvent and allow to dry, or alternatively seal and build up coats using 850 Clear. **Deep-Grained Veneers (including Bird's Eye Veneers) and Wide-Grained Solid Timber** – Using more than 3 double wet coats of 866 on these surfaces may cause cloudiness in the coating. This is especially true over dark coloured timbers such as Blackwood, Jarrah, Walnut and Brushbox. To achieve a fully-choked wet look or mirror finish on these types of timbers it is necessary to pre-seal the timber with Evic 860 Sealer, allowing this build coat to dry before sanding.

Finally, switch to 866 Sanding Sealer and apply an additional coat to complete choking prior to top coating. **Finishing** – apply 850 in two or three double header cross coats as described in the above section under “**Finishing**”.

---

## Clean Up

Spraying equipment and mixing utensils should be thoroughly flushed clean with 800S or 825S solvent before the coating cures.

---

## Baking

Allow 45–60 minutes flash off time then bake at up to 60°C for one to two hours.

---

## Buffing

After overnight cure, 850 Spraythane Clear is easily cut and buffed if required. Denib the surface using 2000 grit microfine wet sandpaper or 800–1200 grit ultrafine dry sanding disc. Buff the surface with a foam waffle pad combined with 3M Perfect-It or AutoGlym buffing compound. Finer buffing or sanding scratches are removed by polishing with a black waffle pad and 3M's Foam Polishing Glaze or Ultrafine Glaze.

Buffing can have a slight effect on the appearance of colour, so care should be taken if you place buffed material adjacent to unbuffed surfaces.

---

## After Care

To clean stains, marks or spills from 850 Spraythane Clear once cured, use 3M Glass & Laminate Cleaner or equivalent. Spray directly onto the surface and wipe off with a clean, dry (preferably lint-free) cloth. Alternatively, for cleaning without chemicals and removing fingerprints and smudging, the Scotch-Brite High Performance Cloth is recommended.

---

## Shelf Life

Up to 12 months if stored in properly sealed containers. Part “B” is moisture sensitive and should be stored in full containers with minimal air pad.

---

## Note to Users

This is a specialised industrial coating and should only be applied by experienced and competent tradesmen and in accordance with the manufacturer's specification.

**Please read Material Safety Data Sheets M850.**

---

## More Information

Go to [www.evic.com.au](http://www.evic.com.au) for product and material safety data on all Evic products. Information is also available in booklet and CD-ROM form, or by e-mail and fax transmission.

For further enquiries, call the Evic Group on (freecall) 1800 761 761.



© 2003

20 Lancaster Street, Ingleburn 2565 Australia

Phone (02) 9829 2288 Toll Free 1800 761 761 Fax (02) 9829 1612

E-mail: [info@evic.com.au](mailto:info@evic.com.au)

[www.evic.com.au](http://www.evic.com.au)