

### FEATURES

- Specifically developed for brush & roller application
- Excellent cosmetic properties with an easily achieved wet look gloss
- Excellent chemical resistance
- Excellent durability
- High flexibility and toughness
- Excellent retention of cosmetic properties due to high UV resistance
- Lead and chromate free
- Cost effective, high performance coating solution for any aged vessel.
- Two coats provides the same protection and performance as a professional, spray applied film

#### Limitations of Use

- Light sanding between coats, using 380 grit (or similar), is required if re-coating is carried out in excess of 24 hours of application of the prior coat.
- Not suitable for use below the waterline on moored vessels

### RECOMMENDED USES

**Elite<sup>®</sup> 321 Brushing Polyurethane is a specialised marine finish coat formulated for brush and roller application. It is based on the latest cyclo-aliphatic polyester technology, giving a high quality and durable finish coat with long lasting gloss.**

Elite<sup>®</sup> 321 Brushing Polyurethane has been especially designed for both the Professional and DIY painter for maintenance repainting of all yachts, launches and other pleasure craft. An easy to use, high performance polyurethane with good flow-out and wet-edge characteristics, balanced with rapid dry-to-touch – makes re-paint projects on the hardstand or on the water with Elite<sup>®</sup> 321 Brushing Polyurethane a practical proposition.

Elite<sup>®</sup> 321 Brushing Polyurethane is recommended for use on all vessel types to repaint:

Topsides, Cabins & Decks  
Interiors, Masts & Fittings  
Showers, Heads & Galleys

Elite<sup>®</sup> 321 Brushing Polyurethane allows a competent brush painter to restore his boat to a high level of finish and performance for a fraction of the price of a professional job.

May also be utilised on a wide range of equipment and / or vehicles:

- Horsefloats
- Caravans
- Campervans

### SPECIFICATION DATA

<b>Generic Type:</b>	Cyclo-Aliphatic Polyester Urethane
<b>Colour:</b>	Plimsoll White, Ivory White, Spindrift White, Galleon Grey, Endless Blue, and Beacon Red
<b>Packaging:</b>	1 litre - Two component kits
<b>Mix Ratio:</b>	3 to 1 by volume
<b>Density:</b>	1.27 kg per mixed litre
<b>Gloss:</b>	High Gloss
<b>Flash Point:</b>	24°C Setaflash
<b>Thinner:</b>	Use Altex Thinning Solvent #22
<b>Pot Life (at 25°C):</b>	5 hours
<b>Induction Time:</b>	15 minutes at 25°C

<b>Volume Solids (Mixed):</b>	56%								
<b>Theoretical Coverage Rate:</b>	11.2 sq. metres per litre at 50 microns dry								
<b>Recommended Film Thickness Per Coat:</b>	90 microns wet to obtain 50 microns dry (un-thinned)								
<b>Application:</b>	Brush or Roller – Rolling + Brush Tip-off Recommended								
<b>Dry Times (at 25°C / 50 µm DFT / 50% RH):</b>	<table border="0"> <tr> <td>Touch Dry</td> <td>1¼ hours</td> </tr> <tr> <td>Hard Dry</td> <td>16 - 24 hours</td> </tr> <tr> <td>Self Recoat</td> <td>4 hours minimum</td> </tr> <tr> <td></td> <td>24 hours maximum without fine sanding</td> </tr> </table>	Touch Dry	1¼ hours	Hard Dry	16 - 24 hours	Self Recoat	4 hours minimum		24 hours maximum without fine sanding
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	(see note below)								

**Note:** If recoating is required after more than 24 hours, carefully matt the surface using a fine grade (*approx. 380 - 600grit*) sand paper - 3M Free-Cut<sup>®</sup> Gold or Scotchbrite<sup>®</sup> pad (fine Green grade)

**Storage:** Store under cool, dry conditions

## SURFACE PREPARATION

Use Elite® 321 Brushing Polyurethane over freshly sanded:  
Altex Epoxy Barrier Undercoat or  
Altex Polyurethane Undercoat.

The undercoated surface should be sanded with 320 – 400 grit sandpaper – We recommend 3M Free-Cut® Gold or Norton NoFil®, (or equivalent) Zinc Stearate, or Calcium Stearate sandpapers for optimised sanding and self cleaning.

We recommend utilising a guide coat when sanding to improve the overall surface finish.

All surfaces should be clean, dry and free from all contaminants. Use Altex C50 Surface Cleaner to wipe down sanded surfaces before application of the finish coat.

## DIRECTIONS FOR USE

### Mixing:

Elite® 321 Brushing Polyurethane is a two component product supplied in 1 litre 'pop-top' kits which contain the correct (3:1 v/v) ratio of ingredients. The entire contents of each container must be mixed together.

Thoroughly mix Part A first to obtain a smooth, homogeneous condition, (ensuring any/all settled material is incorporated) After mixing Part A, add Part B slowly with continued agitation. Allow an induction time of 15 minutes before application.

The pot life of the mixed material at 25°C is 5 hours unthinned, but is increased proportionately as thinner levels are increased. Higher temperatures will reduce the working life of the coating; lower temperatures will increase it.

### Thinning:

For brush / roller application, thinning is not normally required, however, if required to enhance application properties, thin with Altex Thinning Solvent #22 at the rate of up to 5%. The level of thinning required will depend mainly on material, air and substrate temperatures, along with humidity and wind velocity.

The best means of establishing thinner requirement is to use a Ford 4 Cup and adjust the viscosity to 30 seconds. Carefully adjust the viscosity of the material to achieve good flow without over thinning. Ideally the temperature of the paint should be between 15°C and 25°C.

### Application:

Elite® 321 Brushing Polyurethane is especially developed for, and best applied by roller and brush combination.

After mixing and induction, thin the paint to the desired viscosity (if required). The paint should roll on easily and exhibit good flow characteristics – without any runs at normal application thicknesses.

If large areas are to be painted a two man team is recommended – one rolling, the other brushing out and tipping off.

A Rol-Rite 3/16" Nap Smooth Surface solvent resistant sleeve and Linzer Nylon/Polyester professional grade brush have been found to be an excellent combination for this work. Alternatively, use a good quality, smooth surface, and solvent resistant sleeve (with a 5mm nap max), and a professional grade brush.

Under 'normal' conditions the wet-edge will hold for 3 to 5 minutes so rolling and subsequent brushing should be restricted to areas manageable in that time.

Clean-up: Use Altex Thinning Solvent #22 or #20

We do NOT recommend spray application of Elite 321 brushing Polyurethane.

## PRECAUTIONS

For DIY & Professional Use: Read and follow all the caution statements on this Product Data Sheet, the product label and the Safety Data Sheet (SDS) for health and safety information prior to use.

**Elite® 321 Brushing Polyurethane** is flammable. Keep away from heat, sparks and open flame. Use with adequate ventilation. May cause eye and skin irritation. Do not breathe vapour or spray. Wear suitable protective clothing such as gloves and eye and face protection.

**Elite® 321 Brushing Polyurethane** contains isocyanate. When sprayed may be harmful by inhalation - do not breathe vapours. Wear suitable clothing, gloves, eye and face protection, including suitable breathing protection such as an air supplied respirator or hood.

Additional information is available from the Worksafe New Zealand Approved Code of Practice for the safe use of Isocyanates. We recommend that the latest information be obtained and read carefully. This information is being constantly updated and needs to be clearly understood by applicators prior to the use of this type of coating.

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