

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
- Cost effective, high performance coating solution for any aged vessel.
- Two coats provide 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 more than 24 hours of application of the prior coat.
- Not suitable for use below the waterline on moored vessels

RECOMMENDED USES

Elite 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.

It 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 a practical proposition.

It is recommended for use on all vessel types to repaint:

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

Allows a competent brush painter to restore their 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

Generic Type:	Cyclo-Aliphatic Polyester Urethane			
Colour:	Plimsoll White, Ivory White, Spindrift White, and Galleon Grey			
Packaging:	1 litre - Two component kits			
Mix Ratio:	3 to 1 by volume			
Density:	1.27 kg per mixed litre			
Gloss:	High Gloss			
Flash Point:	24°C Setaflash			
Thinner:	Altex Thinning Solvent #22			
Pot Life:	5 hours at 25°C			
Induction Time:	15 minutes at 25°C			
Storage:	Store under cool, dry conditions			

Application Conditions:

Condition	Material	Surface	Ambient	Humidity
Minimum	12°C	12°C	12°C	0%
Maximum	32°C	32°C	32°C	80%
Optimum	16-24°C	16-24°C	16-24°C	30-70%

This product requires the substrate temperature to be above the dew point

Volume Solids (Mixed):	56%
Theoretical Coverage Rate:	11.2 sq. metres per litre at 50 microns dry
Recommended Film Thickness Per Coat:	90 microns wet to obtain 50 microns dry (unthinned)
Application:	Brush or Roller – Rolling + Brush Tip-off Recommended
Dry Times (at 25°C / 50 µm DFT / 50% RH):	
Touch Dry	1¾ hours
Hard Dry	16 - 24 hours
Self Recoat (minimum)	4 hours
Self Recoat (maximum)	24 hours without fine sanding (see note below)

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

Shelf Life: Part A: 36 months at 24°C
Part B: 12 months at 24°C

When kept at recommended storage conditions and in original unopened containers. For products/components exceeding the stated shelf life, contact Technical Services for further advice.

SURFACE PREPARATION

Use Elite 321 Brushing Polyurethane over freshly sanded:
 AY&B Epoxy Barrier Undercoat or
 AY&B 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:

Thinning is not normally required, however, if required to enhance application properties, thin up to 5% with Altex Thinning Solvent #22. 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 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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