

POLYESTER TIMBER CLEARS

A tough polyurethane finish designed for use on all interior timber surfaces. Available in Gloss, Satin or Matt.

Product Type; Polyurethane.

Description

Astec Polyester is a tough polyurethane finish, designed for use on all interior timber surfaces. The cured product provides an extremely hard wearing and durable surface that is resistant to heat, household chemicals and abrasion.

Principal Use

Polyester may be used on timber tables, panelling, built in furniture, doors, skirting boards, timber floors and hand railing.

Note: Do not use Polyester on linoleum, vinyl or ceramic tiles. Some cork tiles are unsuitable for this product, therefore, it is advisable to conduct a 2 coat test patch on one tile before use on the entire surface.

Colour range; Clear with slight golden hue. May also be tinted from mid to dark tones.

Substrate; Timber

Preparation;

Surface preparation

The surface to be coated should be clean, dry, and thoroughly sanded. Any grease should be removed with Astec Enviro-Clean. If wax has been applied, completely remove old coating. Cracks and nail holes should be filled and sanded smooth with a timber putty in a colour to match the timber. Allow any fillers to completely dry before sanding. Apply any desired Timber Stain in accordance with the products directions. The final prepared surface must be free of all sanding dust. Remove dust with a tack cloth or a lint free cloth moistened with mineral turps. Where a completely smooth surface is required, fill open grain with wood grain filler in a matching colour.

Bare timber

Fill any cracks or holes with timber putty and allow to dry as required. Sand the surface with 120 grit paper, then finish sand with up to 400 grit paper. Remove all dust by method as described above. Apply 2-3 coats of Polyester, lightly sanding between coats.

Clear coated surface/Poor condition

If the existing coating is in poor condition or it's type is unknown, use Astec Regel paint stripper to remove coating. After coating removal the surface should be wiped with Astec Enviro-Clean. Fill any cracks or holes with timber putty and allow to dry as required. Sand the surface with 120 grit paper, then finish sand with up to 400 grit paper. Remove all dust by method as described above. Apply 2-3 coats of Polyester, lightly sanding between coats.

Clear coated surface/Good condition

Sand the surface with up to 400 grit paper. Remove all dust by method as described above. Touch up any bare patches with 1 coat Polyester. Allow to dry, lightly sand entire surface, remove dust and Apply 1-2 coats of Polyester, lightly sanding between coats.

Stained surface

Use Astec Regel paint stripper to remove some of the stain. After stain removal the surface should be wiped with Astec Enviro-Clean. Fill any cracks or holes with timber putty and allow to dry as required. Sand the surface with 120 grit paper, then finish sand with up to 400 grit paper. Remove all dust by method as described above. Apply 2-3 coats of Polyester, lightly sanding between coats.

Painted surface

Use Astec Regel paint stripper to remove existing coating. After coating removal the surface should be wiped with Astec Enviro-Clean. Fill any cracks or holes with timber putty and allow to dry as required. Sand the surface with 120 grit paper, then finish sand with up to 400 grit paper. Remove all dust by method as described above. Apply 2-3 coats of Polyester, lightly sanding between coats.

Window Painting

Use sparingly on all contact areas, open and close windows within 30 minutes and there after at 4 hour intervals over the following 24 hours.

Flooring

Recoating is critical, as the entire surface must be completely cut with coarse sandpaper. An aged floor has timber movement, bruising and floor cupping. These create difficulty in buffing the floor sufficiently well to ensure satisfactory adhesion of the recoat film. It is therefore, advisable to have the floor mechanically sanded.

If wax has been applied complete removal of the old coating by mechanical re-sanding is required before coating with Polyester.

Astec does not recommend stain application under Polyester on timber floors.

Sealing

On timber surfaces with open grain or high suction, apply 1-2 coats of Astec Polyester Sealer to enhance gloss hold out and grain fill of the subsequent top-coats, lightly sand between coats.

Sanding between coats

Polyester must be allowed to dry for no less than 8 hrs before sanding. Lightly sand with 240-400 grit paper, remove all dust by method as described above.

Mixing

Use a broad flat paddle or paint wacker in a scooping action to thoroughly pull from the can's base. Mix before and during use, ensuring the product does not aerate, as this will produce bubbles in the finish. Do not shake. Thin if necessary with mineral turps.

Application

Apply 2-3 coats of Polyester using a quality brush, spray equipment, or a Lambswool Floor Applicator, at intervals of not less than 8 hours apart. Sand lightly between coats using 240-400 grit paper. See Limitation Section.

Spray: For spray applications Polyester can be thinned between up to 40% dependant upon the wet film required. Conventional air or airless spray equipment is suitable for Polyester application, when using airless spray equipment use a 512 to 515 tip.

Brush: For brush application Polyester should be used straight from the can. However, mineral turpentine can be added when evaporation from an open can during use causes an increase in viscosity. Small amounts should be stirred in carefully so as not to over thin the product.

Ensure the product is not aerated during mixing as this may cause bubbles in the final surface

For floor applications apply two to three coats by brush, lambs wool applicator or spray at intervals not less than 8 hours and no more than 24 hours. Sand lightly between coats.

Dry Time

Under normal drying conditions, (25°C, 50% humidity) Polyester is touch dry in 2-3 hours and can be recoated in 8 hours. In cooler conditions, (10°C-15°C) allow 24 hours to dry between coats.

Dry Time/Floors may be subject to light traffic 24 hours after application of the finish coat, but should be left to harden for a minimum of 3 days before general use.

NOTE Do not apply to surfaces that have had wax or silicone based materials previously applied without first removing.

SAFETY DIRECTIONS

- Flammable**, keep away from naked flames.
- Keep out of reach of children, do not dispose of left over paint down any drainage systems.
- Provide adequate ventilation during use.**
- Always use an appropriate mask during spray application

FIRST AID

Eye contact: Flush immediately with large amounts of water for at least 15 minutes, holding eyelids open. Call a physician if irritation persists.

Swallowed: If poisoning occurs, contact a doctor or Poisons Information Centre. If swallowed, do not induce vomiting. Give a glass of water. If vomiting does occur, place victim's face downwards at low level to prevent vomit entering lungs. Contact Astec Paints for the relevant Material Safety Data Sheet.

Product data	Gloss level	Full Gloss, Satin and Matt
	Wash up	Mineral turps
	Performance	Interior
	Application	Brush Spray or Lambswool Floor Applicator.
	Coverage	14 to 16 m ² per litre (substrate dependant)
	Thinning	Mineral turps (only were necessary) eg: for spray application.
	Mixing:	Use a broad flat paddle or paint wacker in a scooping action to thoroughly pull from the can's base
	Drying time at 25° C	
	Touch dry	2-3 hours
	Re-coat window	8-24 hours
	Theoretical spread rate at 30 microns dry(substrate dependent)	14 to 16 m ² per ltr
	Specific gravity	0.8 to 1.0
	Volume Solids	45 to 50 % V/V
Flash Point	31 to 35°C	
Colour	Clear	
Packaging	Sizes	500 ml, 1 ltr, 4 ltr, 20 ltr
	Packaging Group	III
	UN	1263

Limitations

Do not apply when temperature is below 10°C or is likely to be during application or drying period. Do not apply excessively heavy coats or apply to bench-tops.

Warranty

The technical data furnished herein is based upon data believed by Astec Paints to be true and accurate at the time of writing, however, no guarantee of accuracy is given or implied and is subject to change without notice. It is given in good faith for the assistance of users. No legal warranty expressed or implied is made as to its accuracy, completeness or otherwise. Every person dealing with this material herein does so at their own risk absolutely and must make independent determinations of suitability and completeness from all sources to ensure their proper use. We have no control over the condition under which these products are stored, handled or used, therefore our recommendations must not be regarded as a mounting to legal warranty or as involving any liability on us.