

Technical Data Sheet

DUREPOX HIGH PERFORMANCE CLEAR

DESCRIPTION	SUITABLE SUBSTRATE
<p>A 2-pack epoxy urethane CLEAR coating formulated for the Marine and Industrial markets.</p> <p>It can be used as a clear coating for substrates that are coated with pigmented Durepox primer/topcoat or directly over bare carbon fibre and fibreglass, veneer coated ply and most wood substrates and concrete.</p>	<p>Durepox Clear can be applied over pigmented Durepox primer or directly over correctly prepared:</p> <ul style="list-style-type: none"> • G.R.P. (Fibreglass) • Carbon Fibre • Pigmented Durepox • Veneer coated ply wood & most wood finishes • Concrete

SPECIFICATION DATA	
<p>Product Type: Epoxy Urethane Clear</p> <p>Colour: Slightly Yellow Tone</p> <p>Pot Life: 45 minutes with Durepox Hardener & reducer at 20°C</p> <p>Induction Time: 5-10 Minutes</p> <p>Density: 0.95-1.00kg/L</p> <p>Recommended D.F.T: 25-35 microns DFT per coat</p> <p>Theoretical Coverage: 10m²/L @ 40 Microns DFT</p> <p>V.O.C: 515 g/L</p> <p>Volume Solids: 41%(non catalyzed)</p>	<p>Recoat ability: Can be coated with itself within a 2hour period at 20°C. Outside 2 hour detail sand and recoat.</p> <p>Dry Time @ 20°C:</p> <ul style="list-style-type: none"> • Touch Dry: 1 Hour • Handle: 12 Hours • Self recoat @ 20°C: between 0 and 2 hours. After 2 hours must be detailed sanded to ensure intercoat adhesion. Like most 2pack products the higher the temperature the shorter the pot life.

Lower temperatures will slow drying; adding of up to 5% by volume of **RAPC 62C Accelerator** to mixed clear and hardener will approximately halve curing and pot life times. Reduce addition to 1-2% **RAPC 62C Accelerator** when drying with IR lamps. Misuse of **62C Accelerator** can cause loss of adhesion and poor flow-out.

High temperatures can increase drying time and reduce pot life, the use of 910 Slow Reducer can help in these circumstances. Always be mindful of recoat times in warm conditions as in over 25°C.

SURFACE PREPARATION
<p>G.R.P (Fibreglass) & Carbon Fibre: Strongly advise testing a small area for coating success due to the amount of variables in fibreglass & carbon fibre resins. Wash with warm detergent solution e.g. C-Power solution. Degrease with Wax & Grease Remover using the 'wipe-on-wipe-off' method. Abrade with dry sand paper finishing no coarser than 400 dry using dustless dry sanding machine. Use Wax & Grease remover using the 'wipe-on-wipe-off' method. Detail blow clean using tack cloth for final wipe down ready for clear coating. Apply at least two full wet coats; more coats can be applied if needed.</p> <p>Pigmented Durepox: Two options are available when coating pigmented Durepox, you can simply use Durepox High Performance Clear as another coat using WOW method. This will provide you a satin finish when applied via spraying equipment. Alternatively you can mix the clear to pigmented Durepox 30/70 clear to colour or up to equal parts. Please note the more clear the less opacity. It is possible to reduce the gloss of DHPC to a satin finish of 35% gloss with the addition of 2% by weight of AF41 matting powder (available to be shaken in from RAPC Mt Wellington).</p>

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SURFACE PREPARATION cont.

Concrete:

Strongly advise testing a small area for coating success due to the amount of variables in concrete and release agents for tilt slab walls & floors. Acid etch or abrasive blast new or aged concrete. Ensure it is dry and free from dirt, grease and oil deposits. Durepox High Performance Clear can be applied directly to suitably prepared concrete or in conjunction with Durepox pigmented colour. Great for workshop & garage floors & walls.

Please note when using a roller we highly recommend the use of PAL Contract Series Roller 5mm Mohair Blend. These rollers work best to help reduce any bubbles in the clear or alternatively lay off with a soft brush or broom. Avoid all bubbling as this affect appearance and the coating clean ability. Use Durepox colour & or clear at 4:1 and only add reducer for warm temperatures up to 5%.

Veneer Coated Plywood & General Timbers:

Strongly advise testing a small are for coating success due to the amount of variables in veneers & timbers. Ensure surface is dirt, dust & grease free. Depending on the particular wood substrate most can be coated on day one, left for overnight drying in warm temperatures (20°C at least) 400 grit detail dry sand and recoated the following day. This will result in a full gloss durable long lasting finish.

DIRECTIONS FOR USE

Strain mixed product prior to application.

Mixing Ratio: 4 parts Durepox Clear
(Volume) 1 part Durepox Hardener

Thinning: Up to 20-40% 400 Reducer or 910 Slow Reducer

Spray Equipment:

- Conventional suction and gravity feed guns.
- Tip Size: 1.5 - 2 mm
- Spray pressure: 275-380KPA (40-55 p.s.i.)
- Number of coats: 2 coats (5-10 minutes flash between coats)
- Air less/Air assisted airless& electrostatic follow equipment manufactures recommendations.

Although Durepox Clear can be applied without thinning, best results are obtained by thinning up to 20% by volume with 400 Reducer or 910 Slow Reducer. This allows for different gun set-ups and techniques, and assists flow and levelling.

Remarks: Do not use activated material beyond pot life time or by reducing it further to get the viscosity down again. This procedure results in poor flow and adhesion failures.

For large surface areas in conjunction with temperatures over 20 deg C it is highly recommended to use 910 Slow Reducer.

HEALTH & SAFETY

For detailed information refer to Material Safety Data Sheet. Mixed product contains isocyanates. Inhalation of vapours or dust from sanding may cause respiratory sensitisation. Splashes to eyes will cause irritation. Contact with skin may cause irritation. Applicators should use protective clothing and respiratory equipment. Product is flammable, use and store away from heat and ignition sources

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TRANSPORT & STORAGE

Sizes:	4Lt
Dangerous Goods:	3A
UN:	No 1263
Hazchem:	3(Y)E
Packing Group:	II
Shipment name:	PAINT Flammable Liquid Low Flash Point
Flash point:	Below 23°C

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