

## DATA SHEET

# JAXXON 1525

Tintable, 100% Solids, Kevlar®-reinforced Protective Floor Coating

### DESCRIPTION

**A solvent-free, tintable, two-pack epoxy designed as a solid-colour rollcoat in commercial and industrial projects requiring high moisture tolerance and/or impact resistance.**

Quality materials are used with Kevlar® fibres to create a high-strength, high-performance coating that provides lasting protection in the toughest application conditions.

Jaxxon 1525 doesn't need a primer on most surfaces, and can be applied onto damp or wet surfaces without amine blushing or adhesion issues. It's also formulated with sag resistance, which means it provides excellent coverage on coving and other vertical surfaces.

### USES

Common uses for Jaxxon 1525 include:

- Garages
- Workshops
- Warehouses
- Wet Areas
- Loading Zones
- Industrial Facilities
- Kitchens
- Mining Facilities
- Wastewater
- Prisons
- Chemical Containment

### PRODUCT DETAILS

Type:	Two-pack epoxy - solvent-free/100% solids.
Colour:	Tintable.
Finish:	Gloss (subtle orange peel texture).
Mix Ratio:	2:1 v:v (with pigment pot).
Pack Size:	12 litres (with pigment pot).

### BENEFITS

- ✓ Proven performance in the toughest conditions.
- ✓ Reinforced for higher strength and impact resistance.
- ✓ Can be applied direct to concrete.
- ✓ Can be applied onto damp or even wet surfaces.
- ✓ Excellent chemical resistance, e.g. 70% sulphuric acid.
- ✓ Excellent adhesion to all common substrates.
- ✓ Can be applied onto coving without sag or slump.
- ✓ Potable water approved under AS/NZS 4020:2018.
- ✓ No solvents or strong odours.
- ✓ Not a Dangerous Good for quicker, easier shipping.
- ✓ Good tolerance of low temperatures.



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## PROPERTIES

<b>Adhesion</b> ASTM D451/ISO 4624	Concrete - substrate failure in dry and wet
<b>Hardness</b> ASTM D-2280 JIS K 5600-5-4:1999	75-80 Shore D H Scratch Pencil Hardness
<b>Abrasion</b> CS 17/1kg/1000 cycles	73mg/1000 cycles
<b>Potable Water</b> AS/NZS 4020:2018	Passed all criteria at a min. exposure of 7500mm <sup>2</sup> per litre

## CHEMICAL RESISTANCE

10% Acetic Acid	50% Sodium Hydroxide
Bleach	70% Sulphuric Acid
Ethanol	Xylene
Toluene	Hydrocarbons/Fuels/Oils
Skydrol	10% Lactic Acid
Deionized Water	

Staining may occur when exposed to aggressive chemicals. Good housekeeping practices, including dilution and spillage clean up, will minimise chemical damage. For full immersion performance, contact supplier.

## COVERAGE

The actual coverage achieved by Jaxxon 1525 will depend on the substrate characteristics and condition.

The theoretical yield for a 250-micron film (typical thickness) are:

**12 litre kit @ 4m<sup>2</sup>/L = 48m<sup>2</sup>**



## CURING TIMES

	<b>Time (@ 25°C)</b>
Pot Life	- 25 minutes
Set (touch)	- 6 hours
Set (hard)	- 12 hours
Re-coat (min.)	- 12 hours
Re-coat (max.)	- 36 hours
Full Cure	- 7 days

- Approximate time frames for full kit @ 25°C.
- Pot life will shorten for larger mixes.
- Curing times will decrease with increasing temperature (+10°C will halve curing times, -10°C will double them).

## PRODUCT NOTES

- Jaxxon 1525 should not be used in applications requiring resistance to rapid changes in temperature during service and/or cleaning (i.e. thermal shock).
- Application onto highly porous concrete may lead to colour and gloss inconsistencies. If required, the concrete should be primed first with a suitable primer.
- Jaxxon 1525 has good sag resistance, which makes it possible to apply onto vertical surfaces such as coving. High film builds and temperatures can should be considered before application.
- Consistent with all epoxies, Jaxxon 1525 will tend to discolour upon extended UV exposure. Over-coat with Ezy Poly (PU topcoat) if required.
- Minor settling may be experienced in Part A over long periods of time without use. In such cases, mix separately and thoroughly before use.
- In cool conditions, the viscosity of Jaxxon 1525 will increase and may make application difficult. Part A can be slowly warmed with hot water to reduce viscosity before mixing if required. Do not use below 5°C.
- If more than one kit is mixed at a time, the product can reach dangerously high temperatures and experience a significantly reduced pot life.
- Clean up with MEK, acetone or methylated spirits.

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## SURFACE PREPARATION

### Concrete:

New concrete surfaces should be allowed to cure for a minimum of 28 days.

Old, damaged, cracked and/or heavily contaminated concrete surfaces should be degreased with a detergent and patch repaired prior to surface preparation.

Diamond grind or shot blast to obtain a CSP 2-3. Properly prepared surfaces should be structurally sound and free of contamination, laitance and any loose material.

Ensure surface is clean, dry and dust-free again if there's a delay between preparation and application.

### Porous Surfaces:

If the concrete is found to be weak, powdery or porous during substrate preparation, apply a suitable primer/sealer first.

### Coated Surfaces:

Maximum delay between coats is 36 hours @ 25°C. Should this time be exceeded the previous coat must be lightly abraded with 80-120 grit paper, vacuumed and wiped with methylated spirits or other suitable solvent.

Old, existing films can be over-coated providing they're in good condition and there are no adhesion issues. If in doubt, a tensile adhesion test should be conducted.

## MIXING

For full safety instructions, consult SDS. Wear protective clothing, goggles and gloves to prevent skin and eye contact.

### NOTE:

**Check packaging for correct components before mixing.**

Pre-mix pigment pot into Part A first with a drill mixer. Pour Part B into Part A and mix until a consistent colour is obtained, scraping sides with a flat spatula to ensure all product is taken in.

Jaxxon 1525 kits can be split by using the following weights and volumes to make 1 litre:

To make 1 litre	Part A	Part B
Jaxxon 1525	930g/670mL	350g/330mL

## APPLICATION

### Brush, Roller, Trowel/Squeegee.

**Application thickness - 200-300 microns (3-5m<sup>2</sup>/L).**

For best results, pour product immediately onto the floor after mixing. Start 50cm from a wall and work towards the exit point pouring in an "S" shaped pattern.

Leave enough mixed product to cut in with a brush next to vertical surfaces and around tight areas. Approximately 100mm is typical.

Perform a rough spread using the squeegee to achieve a relatively even film, allow product to level for 2-3 minutes, then backroll smooth using 12mm x 270mm roller covers.

De-lint all rollers first by wrapping the roller in masking tape and removing. When backrolling, roll in long, even, overlapping strokes to get the product feeling and sounding the same.

To work a fresh batch into the seam of another, pour the material approximately 15cm from the edge and overlap with the roller by about 30cm. Try to minimise the number of seams and keep them as fresh as possible. If left for too long, pigments can settle and lead to a colour difference.

Each kit must be applied within the pot life times listed in the Cure Schedule table to ensure best results.

## STORAGE

Keep containers closed when not in use. Store below 40°C. Do not store in direct sunlight. Shelf life is at least 12 months in original, unopened container. Seek advice from your local council regarding accepted disposal methods.

## FIRST AID

### CAUTION: KEEP OUT OF REACH OF CHILDREN.

IF ON SKIN: Remove immediately all contaminated clothing. Rinse skin with water. IF IN EYES: Rinse cautiously with water for several minutes. Immediately call a POISON CENTRE (Australia - 13 11 26) or doctor/physician. If skin irritation occurs: Get medical advice/attention.



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