

# Technical Data Sheet

## Jaxxon 1525



### Product Description

A solventless, Kevlar®-reinforced epoxy for use as an impact-resistant, high-strength floor coating.

High-quality epoxy resins and curing agents are used to create a durable, moisture-tolerant coating suited to commercial and industrial environments.

### Uses

- Thin-film rollcoat for flooring systems requiring extra film strength and impact resistance.

### Technical Information

Vehicle Type: 2-pack epoxy/polyamine.  
 Colour: Tintable.  
 Finish: Glossy, slight "orange peel" texture.  
 Cleaner: MEK, acetone, methylated Spirits.  
 Mix Ratio: 2:1 v:v (with Pigment Pots).  
 Pack Size: 12 litres (with Pigment Pots).  
 Solids: 100%

### Technical Advantages

- Kevlar® reinforcement and filler selection imparts superior wear and impact resistance.
- Can be applied onto dry, damp or even wet surfaces - completely moisture tolerant with no amine blushing.
- Good overall chemical resistance, including 70% sulphuric acid.
- Solventless formulation with no strong odours can be applied without need for ventilation equipment or

- disruption to nearby people.
- Non-hazmat - solventless, non-corrosive, non-flammable product for safer use and simplified, cheaper transport.
- Field-friendly - mix ratio tolerance and long storage life, combined with surface/moisture tolerance gives a truly field-friendly product.
- Good tolerance of low temperatures.
- Tintable formulation for greater colour choice.
- 100% solids - long shelf life (don't have to use all at once) and no shrinkage in the coating film.

### Chemical Resistance to Spillage (for fully cured films)

10% Acetic Acid	50% Sodium Hydroxide
Bleach	70% Sulphuric Acid
Ethanol	Xylene
Toluene	Hydrocarbons/Fuels/Oils
Skydrol	5% Lactic Acid
Deionized Water	

Note - 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.

### Test Results

<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

### 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 an appropriate detergent and patch repaired, if applicable, prior to surface preparation.

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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.

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 films can be over-coated providing they're in good condition and there are no adhesion issues. Perform a small adhesion test in an inconspicuous area if in doubt. Clean the film first, rinse thoroughly and dry before abrading and wiping as per instructions above.

## Mixing

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

Pre-mix pigment pots (two for each 12 litre kit) into Part A first with a drill mixer first. Mix product at a ratio of 2:1 by volume. 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.

## Application

Brush, Roller, Trowel/Squeegee.  
Minimum application thickness @ 25°C - 200 microns.  
Typical application thickness @ 25°C - 250 microns.

For greater working time and best results, pour product immediately onto the floor after mixing. Spread with a squeegee before backrolling smooth.

## Coverage

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

The theoretical yields for a 250-micron coating film (recommended) are:

12L kit @ 4m<sup>2</sup>/L - 48m<sup>2</sup>

## Cure Schedule

	<b>Time (@ 25°C)</b>
Pot Life	- 25 minutes
Set (touch)	- 6 hours
Set (hard)	- 15 hours
Re-coat (min.)	- 15 hours
Re-coat (max.)	- 36 hours
Full Cure	- 7 days

Approximate time frames for full kit. Pot life will shorten for larger mixes. Times will decrease as the temperature increases.

## Product Characteristics

- Thin-film rollcoats such as 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 porous concrete may lead to colour and gloss inconsistencies. If required, the concrete should be primed first with Jaxxon 1335.
- 1525 has thixotropic properties, which give the wet film good sag resistance on vertical surfaces. Thickness should not exceed 250 microns.
- Consistent with all epoxies, 1525 will tend to discolour upon extended UV exposure. Over-coat Ezy Poly Clear (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.

## Storage & Disposal

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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