

## DATA SHEET

# SCUBAPOXY 3115

Flexible, Underwater-applied Adhesive

### DESCRIPTION

**A two-pack epoxy designed as a specialist flexible adhesive for underwater, marine and wet-area environments.**

Quality materials are used to create a high-strength, extremely versatile adhesive that provides genuine underwater capability and long-term performance.

Scubapoxy 3115 was also formulated in conjunction with commercial divers to be as diver-friendly as possible. The thixotropic nature of the product helps reduce stringing or floating, while the resin-rich, gel-like viscosity gives superior tackiness and adhesion compared to traditional "putty" products.

### USES

Common uses for Scubapoxy 3115 include:

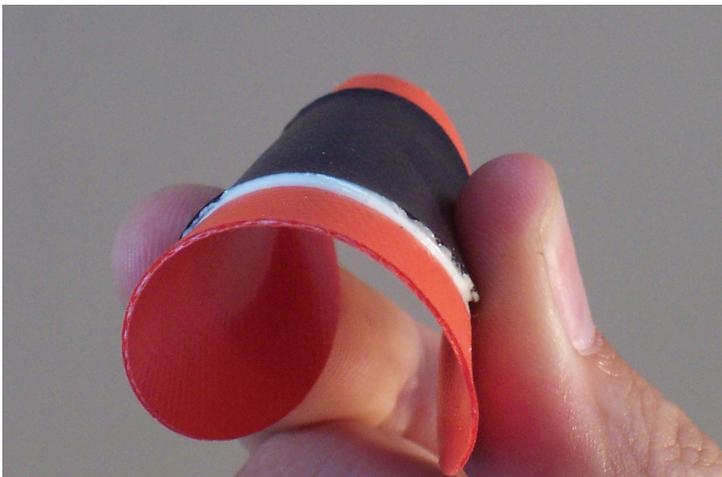
- Tanks
- Piers
- Wet Areas
- Boats & Vessels
- Reservoirs
- pontoons
- Wastewater
- Marine Structures
- Pools
- Splashzones
- Oil/Gas Pipelines
- Hydroelectricity

### PRODUCT DETAILS

Type:	Two-pack epoxy - solvent-free/100% solids.
Colour:	Off-white.
Finish:	Gloss.
Mix Ratio:	1:1 v:v.
Pack Size:	4 litres.

### BENEFITS

- ✓ Proven performance in underwater applications.
- ✓ Remains flexible even in cold conditions.
- ✓ Gel-like, diver-friendly formulation.
- ✓ Easy 1:1 by volume mix.
- ✓ High-build, gap-filling properties (including vertically).
- ✓ Use for patching, sealing and attaching.
- ✓ Good overall chemical resistance.
- ✓ Excellent adhesion to concrete, steel, PVC etc.
- ✓ Not a Dangerous Good for quicker, easier shipping.



# SCUBAPOXY 3115

## PROPERTIES

<b>Adhesion</b> ASTM D451/ISO 4624	Concrete - substrate failure in dry and wet Steel - Dry >1100psi
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## CHEMICAL RESISTANCE

Scubapoxy 3115 is resistant to exposure from all common liquids in residential, commercial, industrial and marine applications, e.g. chlorinated water, saltwater, waste water, cleaners, dilute acids/alkalis etc.

Staining may occur when exposed to aggressive chemicals. For full immersion performance, contact supplier.

## COVERAGE

The actual coverage achieved by Scubapoxy 3115 will depend on the application type, as well as substrate characteristics and condition.

The theoretical yield for an application where the product is applied at an average of 5mm is:

**4 litre kit @ 0.2m<sup>2</sup>/L = 0.8m<sup>2</sup>**



## CURING TIMES

	<b>Time (@ 25°C)</b>
Pot Life	- 20 minutes
Set (touch)	- 4 hours
Set (hard)	- 10 hours
Re-coat (min.)	- N/A
Re-coat (max.)	- N/A
Full Cure	- 4 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

- Scubapoxy 3115 adheres strongly to most substrates, with exception to polyolefin plastics (polyethylene, polypropylene).
- Although Scubapoxy 3115 is formulated to reduce stringing underwater, in some conditions and applications it may still have a tendency to do so.
- Scubapoxy 3115 is suitable for a wide range of temperatures but should not be used above 60°C or below 5°C.
- Scubapoxy 3115 may be difficult to apply at temperatures below 10°C. In this case, it's helpful to pre-warm the components separately in a heat bath before use.
- Consistent with all epoxies, Scubapoxy 3115 will tend to discolour upon extended UV exposure. This doesn't detract from coating performance.
- Clean up with MEK, acetone or methylated spirits.

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## SURFACE PREPARATION

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### Concrete:

Sound surfaces should be well cleaned by high-pressure water/abrasive blasting if possible. Small areas can be cleaned by grinder; not practical for large areas.

In general, ensure surfaces are clean and free from oils, grease and loose contaminants. Lightly abrade with sandpaper if above options aren't available, and use methylated spirits to clean the surface once more before application.

### Metal:

High-pressure water-blasting or abrasive blasting to class 2.4 (AS 1627.4) with a typical profile of 50-70 microns in a jagged pattern. Grinding acceptable for small areas. Can be applied over tight rust. For best results, clean metal surface with a sponge soaked in detergent (sealed in a locked plastic bag if working at depth) immediately before application.

### Coated Surfaces:

Can be applied over existing, well-adhered, abraded, clean coatings.

### NOTES:

- As a minimum in underwater applications, preparation should remove all loose surface contamination and marine growth around the site using an abrasive paper or pad, wire brush etc.

- Application should begin within 30 minutes of preparation to avoid re-settling on the surface. If delay is longer than 30 minutes, repeat preparation.

## MIXING

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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.**

Mix product at a ratio of 1:1 by volume 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. Smaller volumes (less than 1 litre) can be mixed by hand with a stiff spatula or similar instrument.

## APPLICATION

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### Trowel/Spatula.

"Butter" the adhesive on the entire repair site. If adhering two surfaces, "butter" both surfaces and press gently together to create the bond, making sure some product is left in the joint.

If applying underwater, let sit for a moment then work/smear slowly to allow the product to displace the water and "wet" the surface. When attaching material underwater, it's best to smear the product above water first and then take it below to fix in place.

## STORAGE

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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

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### 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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