

DATA SHEET

SCUBAPOXY 5335

Flexible, Underwater-applied Sealant

DESCRIPTION

A two-pack epoxy designed as a specialist sealant for areas of movement or expansion in underwater, marine and wet-area environments.

Quality materials are used to create a high-strength, flexible repair compound that provides genuine underwater capability and long-term performance.

Scubapoxy 5335 was also formulated in conjunction with commercial divers to be as diver-friendly as possible. The fibre-reinforced, thixotropic nature of the product is not prone to stringing or floating, while the resin-rich, paste-like viscosity gives superior tackiness and adhesion compared to traditional "putty" products.

USES

Common uses for Scubapoxy 5335 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:	Light grey.
Finish:	Gloss (subtle orange peel texture).
Mix Ratio:	1:1 v:v.
Pack Size:	4 litres.

BENEFITS

- ✓ Proven performance in underwater applications.
- ✓ Use for sealing or patching joints and cracks.
- ✓ Remains flexible even in cold conditions.
- ✓ Paste-like, diver-friendly formulation.
- ✓ Easy 1:1 by volume mix.
- ✓ High-build, gap-filling properties (including vertically).
- ✓ Reinforced for greater film strength and cohesion.
- ✓ Good chemical resistance, including chlorinate water.
- ✓ Good adhesion to concrete, steel, fibreglass etc.
- ✓ Not a Dangerous Good for quicker, easier shipping.



SCUBAPOXY 5335

PROPERTIES

Hardness ASTM D-2280	22-27 Shore D
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CHEMICAL RESISTANCE

Scubapoxy 5335 is resistant to exposure from all common liquids in residential, commercial, industrial and marine applications, e.g. chlorinated water, saltwater, wastewater, 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 5335 will depend on the application type, as well as substrate characteristics and condition.

Some indicative figures for the number of lineal metres per litre of sealant are provided below for given joint widths and depths:

		WIDTH			
		3mm	6mm	8mm	10mm
DEPTH	3mm	111	56	42	33
	6mm	56	28	21	17
	8mm	42	21	16	13
	10mm	33	17	13	10



CURING TIMES

	Time (@ 25°C)
Pot Life	- 25 minutes
Set (touch)	- 5 hours
Set (hard)	- 13 hours
Re-coat (min.)	- N/A
Re-coat (max.)	- N/A
Full Cure	- 5 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 5335 adheres strongly to most substrates, with exception to polyolefin plastics (polyethylene, polypropylene).
- For poorly prepared substrates, better results can be achieved by priming first with Scubapoxy 1715.
- Some settling may be experienced in Part B over long periods of time without use. In such cases, mix separately and thoroughly before use.
- Scubapoxy 5335 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.
- Scubapoxy 5335 is suitable for a wide range of temperatures but should not be used above 60°C or below 5°C.
- Consistent with all epoxies, Scubapoxy 5335 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

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.

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.

NOTE:

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

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

Trowel/Spatula, Gloved Hand, Caulking Gun.

If applying underwater, let sit for a moment then work/smear slowly to allow the product to displace the water and "wet" the surface.

If using a caulking gun, mix products as per instructions and pour into an empty cartridge (try to minimise air entrapment in the cartridge while pouring).

If applying into a joint, apply when the opening is at its median size, which will give the product maximum efficiency. Smear the sealant liberally into the opening and smooth off with a gloved finger.

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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