

TECHNICAL DATA SHEET

DOLPHIN POWERBOND EPOXY ULTRA STRONG ADHESIVE - CLEAR

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PRODUCT DESCRIPTION

Dolphin Power bond Epoxy Ultra Strong adhesive is a high strength, heavy-duty two-part adhesive with an excellent bonding capability. It forms a powerful and incredibly strong bond in 4 mins. Highly resistant to mild chemicals, moisture, and high temperatures up to 120 °C.

TECHNICAL PROPERTIES



Properties	Component	Specifications
Chemical Base	Part A - Resin	Clear
Chemical Base	Part – B Accelerator	Clear
Cure Type		Epoxy curing
Mixing @ 25°C, 50% RH		
Properties	Test Method	Specifications
Mixing	-	1:1 mixing ratio
Color	-	Clear
Consistency	-	Paste
Gelling Time (mins)	Lab Test	4 – 5
Full Cure @ 25°C, 50% RH (Hrs)	Lab Test	24
Hardness (Shore A)	Lab Test	85
Lap Shear Strength		100 kg /cm ²
Non-Volatile Content (%)		100
Service Temperature (°C)	-	Up to 120°C
Application Temperature (°C)	-	10 to 45

Note:

* Curing time (Gelling Time & Tack Free Time) may vary depending on climatic condition during application.

(Information on this data sheet is subject to change without prior notice and should not be used for writing specifications)

TYPICAL USES

- Interior & exterior application
- Excellent bonding to common substrate such as metal/wood/ceramic/glass/plastic*/leather/stone etc.
- Excellent engineering adhesive in automobile industry
- Crafts and outdoor equipment

KEY FEATURES

- Easy to use
- 100% Non-volatile product
- Rapid setting/curing
- Syringe allows convenient 1:1 dosing
- No Shrinkage
- Non-corrosive & non-stain
- DIY Product



WORLD-CLASS
CHEMICALS

Color	Dolphin Power bond epoxy Ultra strong adhesive required equal quantity of Part A & Part B and homogenous mixing. Mixture is clear in mature.
Packaging	Dolphin Power bond epoxy Ultra Strong adhesive syringe type is available in blister pack with 24ml net.
Surface Preparation	The substrate areas that will be in contact with adhesive must be clean, dry, and free of all loose materials, dust, dirt, rust, oil, and other contaminants. If the surface to be applied is smooth, roughen with sandpaper for better adhesion
Tooling and finishing	Immediately tool the adhesive after application and within the gelling time.
Application instruction	<ul style="list-style-type: none">• Remove cap from the plunger. Do not twist. Break the safety seal of syringe.• Hold syringe upside down and snap the plunger from the end to make sure the air bubbles rise to the top. Ensure even dispensing by slowly releasing the plunger till the resin and accelerator are at the tip.• Dispense even amounts of resin and accelerator on to the clean surface. The package blister can be used as mixing tray.• Mix homogenously for 20 sec until the mixture is uniform. Use within 3-4 mins.• Apply to the surface and clamp for 30 mins.• After use pull the syringe back, wipe the syringe tips with clean dry cloth and align the tips. Place the cap back to the plunger and wait for the snap sound to ensure the tight closure of cap. *Not recommended for Polyethylene Plastic (PE), Polypropylene Plastic (PPE), Nylon, and other highly flexible materials and non-porous surfaces.
Cleanup and removal	Uncured adhesive can be removed by wiping but cured adhesive can only be removed mechanically.
Advantage	Water (Latex) based paint can be painted after 24 hours of curing. Additionally, we can do drilling. We can use this product for bonding, fixing, filling, repairing, sealing.
Storage and shelf life	When stored in original unopened container at or below 77°F (25°C) in dry warehouse conditions, Dolphin Power Bond Epoxy Ultra Strong adhesive in syringe type has a shelf life of 12 months from manufacturing date. After use pull the syringe back, wipe the syringe tips with clean dry cloth and align the tips. Place the cap back to the plunger and wait for the snap sound to ensure the tight closure of cap.
Handling precautions	In case of contact with skin it may cause irritation or sensitization of skin. Wash hands with plenty of water and soap. In case of contact with eyes, wash with plenty of water and consult physician immediately. If swallowed, it may be harmful. Keep away from children. While grinding, sanding, or drilling wear protective eyeglasses and dust masks. The cured mass of epoxy is generally nontoxic.

KEEP OUT OF REACH OF CHILDREN • KEEP CONTAINER TIGHTLY CLOSED • FOR INDUSTRIAL & PROFESSIONAL USE

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