

TECHNICAL DATA SHEET

DOLPHIN POWER BOND MDF KIT

Revision Date: 25th April 2023

Revision No: 01

Number of Pages: 2

PRODUCT DESCRIPTION

Dolphin Power Bond MDF KIT is a colorless, fast curing solvent-based Cyanoacrylate Adhesive & Aerosol activator. It has superior bonding strength and is specially used to bond porous substrates with uneven nature.

TECHNICAL PROPERTIES



ADHESIVE

Chemical Base: Ethyl-2-Cyanoacrylate

Properties	Test Method	Specifications
Colour	Visual	Transparent
Density	ASTM D1475	1.05 g/cm ³
Viscosity	ASTM D 2196 - 10	1.2 – 1.5 mPa-s
Cure Time	Lab Test	3 – 5 minutes
Cured Sample Properties		
Service Temperature	–	10 to + 80 °C
Application Temperature	–	10 to 45 °C

ACTIVATOR (AEROSOL)

Chemical Base: N, N Dimethyl-P-Toluidine + Solvents mixture

Properties	Test Method	Specifications
Colour	Visual	Colourless Liquid
Density	ASTM D1475	0.78 g/cm ³
Service Temperature		5 to 60+ °C

BONDING TEST RESULTS

Bonding Test	Bonding Time (timer)	Results
Wood	3 to 10	4 Sec
Marble	5 to 10	5 Sec
Glass	5 to 10	6 Sec
Plastic	3 to 10	5 Sec
Marble Vs Wood	3 to 10	5 Sec
Tensile Strength	200	200+ kg/cm ²

Note:

*Curing 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)



WORLD-CLASS
CHEMICALS

TYPICAL USES	KEY FEATURES
<ul style="list-style-type: none"> Interior application Excellent bonding of metal to metal Bonding with metal to wood, wood to wood Good bonding in broken ceramic cups, glass Construction – Timber application Excellent structural adhesive Used for fixing and repairing wooden parts Suitable for MDF, Chipboards, Wood, Rubber, Most Plastics, Leather, Marbles, Gloss 	<ul style="list-style-type: none"> Excellent Adhesion No Shrinkage Non-corrosive DIY Product

Direction for use	<ul style="list-style-type: none"> The substrates should be clean, dry and grease free Spray the activator on the first substrate from safer distance Wait for 5 seconds Apply 2-3 drops Cyanoacrylate adhesive to the second substrate Assemble and hold the two substrates tightly to achieve the instant bonding
Packaging	<p>Dolphin Power Bond MDF Kit is available in:</p> <ul style="list-style-type: none"> Activator 400 ML & Glue 100g (25 pcs/carton) Activator 200 ML & Glue 50g (24 pcs/carton) Activator 155 ML & Glue 30g (24 pcs/carton)
Storage and shelf life	<p>Shelf life for activator- 24 months & Shelf Life for CA Glue-12 months if stored below 25 °C in an unopened container. Temperature is a critical factor in storing this material, hence material should must be kept below 25 °C. Stacking of 5.4 feet should be done in the warehouse.</p>
Handling precautions	<ul style="list-style-type: none"> Until use, cyanoacrylate should be kept in sealed container Avoid exposure to light and heat Cyanoacrylate can bond to skin within seconds Can cause serious damage to skin and eyes. It will become hard if the container is not sealed properly Do not throw the activator in fire. Highly flammable Content is under pressure in Activator can <p>For safe handling information, refer to the Material Safety Data Sheet of this product.</p>

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

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