

## TECHNICAL DATA SHEET

### DOLPHIN MDF Bond Kit

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#### 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 FOR ADHESIVE



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Chemical Base: Ethyl-2-Cyanoacrylate

Properties	Test Method	Unit	Specification
Colour	Visual	-	Transparent
Density	ASTM D1475	g/cm <sup>3</sup>	1.05
Viscosity,	ASTM D 2196 - 10	mPa·s	1.2 – 1.5
Cure Time	Lab Test	minutes	3 - 5

Cured Sample Properties

Service Temperature	-	°C	10 to + 80
Application Temperature	-	°C	10 to 45

#### TECHNICAL PROPERTIES FOR ACTIVATOR (AEROSOL)

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

Colour	Visual	-	Colourless Liquid
Density	ASTM D1475	g/cm <sup>3</sup>	0.78
Service Temperature		°C	5 to 60+

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

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



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TYPICAL USES		KEY FEATURES
<ul style="list-style-type: none"> <li>Interior application</li> <li>Excellent bonding of metal to metal</li> <li>Bonding with metal to wood, wood to wood.</li> <li>Good bonding in broken ceramic cups, glass</li> <li>Construction – Timber application</li> <li>Excellent structural adhesive</li> <li>Used for fixing and repairing wooden parts</li> <li>Suitable for MDF, Chipboards, Wood, Rubber, Most Plastics, Leather, Marbles, Gloss.</li> </ul>		<ul style="list-style-type: none"> <li>Excellent Adhesion</li> <li>No Shrinkage</li> <li>Non-corrosive.</li> <li>DIY Product.</li> </ul>
<b>DIRECTIONS FOR USE</b>		<ul style="list-style-type: none"> <li>The substrates should be clean, dry and grease free.</li> <li>Spray the activator on the first substrate from safer distance.</li> <li>Wait for 5 seconds.</li> <li>Apply 2-3 drops Cyanoacrylate adhesive to the second substrate.</li> <li>Assemble and hold the two substrates tightly to achieve the instant bonding.</li> </ul>
<b>PACKAGING</b>		<p><b>Dolphin MDF Kit</b> is available in:</p> <ul style="list-style-type: none"> <li>Activator 400 ML &amp; Glue 100g (25 pcs/carton)</li> <li>Activator 200 ML &amp; Glue 50g (24 pcs/carton)</li> <li>Activator 155 ML &amp; Glue 30g (24 pcs/carton)</li> </ul>
<b>STORAGE AND SHELF LIFE</b>		<p><b>Shelf life for activator- 24 months &amp; Shelf Life for CA Glue-12 months</b> 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>
<b>HANDLING PRECAUTIONS</b>		<ul style="list-style-type: none"> <li>Until use, cyanoacrylate should be kept in sealed container.</li> <li>Avoid exposure to light and heat.</li> <li>Cyanoacrylate can bond to skin within seconds.</li> <li>Can cause serious damage to skin and eyes.</li> <li>It will become hard if the container is not sealed properly.</li> <li>Do not throw the activator in fire. Highly flammable!</li> <li>Content is under pressure in Activator can.</li> </ul> <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 • The information and data contained herein is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since the supplier cannot know all the uses, or the conditions of use to which these products may be exposed, no warranties concerning the fitness or suitability for a particular use or purpose are made. AMI reserves the right to change the properties of its products without notice.