Maverick Corp Pty Ltd is a national mail order company and services its Australian customers from the Head Office in Sydney and via authorized agents.

Please log onto ***www.maverick-co.com*** *for the contact details of your local distributor.*

www.maverick-co.com

MAVERICKBOND®

INDUSTRIAL ADHESIVES

The only industrial adhesive that is guaranteed to stick

Sensational German Adhesive!

- ***Easy to use and safe handling***
- ***Fast and fantastic bonding***
- ***No mixing required***
- ***Just ONE adhesive for ALL materials***

Adheres to all materials such as:

Wood • Aluminium • Porcelain • Ceramics • Steel • Glass • PMMA • Rubber • ABS • Rigid PVC • All common plastics

SUCCESS THROUGH INNOVATIVE PRODUCTS

MAVERICK*BOND*

Cyanacrylate Industrial Adhesive

MAVERICK*BOND* Industrial adhesive is a high quality product of modern chemistry. It represents a sensational development in the field of adhesive technology.

It is based on an alpha-Cyanoacrylate ester and utilizes an anaerobic process to form incredible bonds in seconds.

MAVERICK*BOND* is the result of many years of research and professional testing. For manufacturing reasons it is almost impossible to obtain a higher degree of distillation.

The main benefits of **MAVERICK***BOND* are:

- Forms strong bonds within seconds
- Unlimited range of adhesive possibilities – on any material
- Excellent shelf life (minimum of 3 years)
- Fully flexible finish
- Clear dry on glass and crystals
- Does not attack or damage acrylic plastics such as Perspex
- Both UV and waterproof
- Temperature tolerant between -70° C to 200° C

Liability

We decline all responsibility for any damage (including that to third parties) resulting from improper use or application of **MAVERICK***BOND* industrial adhesive or any other Maverick products.

Warnings

Do not swallow. Avoid inhaling vapours. It may stick skin within seconds. In such event, roll stuck area side to side. Do not pull against the bonded area. Apply **MAVERICK***CLEAN*, acetone or nail polish remover to area for aid. Clean off hands using soap and warm water. Residual glue does not wash off immediately but will flake off over an hour or so.

Instructions for use

You may either cut the tip with scissors or pinhole the nozzle. Please ensure the opening is not too large as this may dispense too much glue.

Drop the adhesive lightly on only one side of the surface and apply firm pressure to the area glued for a few seconds. The glue will reach handling tenacity within a few seconds to a few minutes – subject to material porosity. The bond will fully cure and reach maximum strength within 6 hours. For larger surfaces, apply drops per 2-3cm or as required.

After use, clean off any excess glue on the nozzle with a cloth or any other suitable material. Gently tap the base of the bottle on any surface to ensure residual glue trapped in the nozzle drops back down the bottle and the nozzle remains clean.

Store the bottle upright in a cool place away from sunlight. Where possible, store in a refrigerator to maximize the shelf life of the product. Where neither is possible, obtain a container and fill the inside with paper, foam or bubble wrap and place the glue in the centre of the container to insulate against the heat.

Occasionally, residual glue build up around the nozzle due to heat exposure - not air contact - can block the nozzle. If the nozzle becomes blocked, refrain from cutting the nozzle further (opens too big a hole thereby dispensing too much glue) or pinning a new hole (any hardened glue that falls into the remaining glue can contaminate and harden the glue). Rather, push firmly against the nozzle and remove from the bottle. Place the nozzle into some acetone (about 4 hours) or nail polish remover (about 8 hours) and the nozzle will be cleaned. Alternatively, if the **MAVERICK***CLEAN* is available, interchange the nozzles between the **MAVERICK***BOND* and **MAVERICK***CLEAN*. Tip the **MAVERICK***CLEAN* upside down for approximately 1 hour to clean the nozzle.

Avoid putting glue onto the skin – it may bond in seconds. In such situations, DO NOT pull against the glue, rather roll the fingers side to side or rub together. On tight bonds or where such rolling action is not possible, apply the **MAVERICK***CLEAN* or acetone and repeat the roll or rubbing action for a few seconds or until the glue releases.

Application of the glue and usage tips

Things to avoid for best results

1. Refrain from using too much glue. Excessive use of the glue makes it too difficult for the glue to work - requiring additional drying time or in some cases it may not work at all. If too much glue is accidentally applied, shake of excess glue if possible or apply pressure and hold the joined area longer then normal. Do not apply glue to both sides, only to one side.
2. Allow the glue an opportunity to set. As all materials vary in densities and properties, the **MAVERICK***BOND*'S performance varies. If in doubt, allow more time for the glue to cure before testing the results. Remember, it can reach handling tenacity in a few seconds but fully cures in 6 hours.
3. Ensure there is sufficient surface area. Insufficient surface contact can break the bond if tension or pressure applied is greater then the contact resistance available. In such situations, apply the **MAVERICK***FILL* to create more surface area for greater resistance.
4. Cleanliness of the surface will affect the performance of the glue. Surface contaminants such as dust, moisture, rust or grease can and will interfere with the glue. Ensure surface is thoroughly clean by using **MAVERICK***CLEAN* or other cleaning agents.

Material application tips

- The **MAVERICK***BOND* is not suitable for use of paper or cloth. It is also not suitable for petrol - in such instances where petrol is involved use the **MAVERICK***AQUA* or *STEEL*.
- Teflon, polyethylene, polypropylene and some polyurethane can ONLY be bonded with the **MAVERICK***BOND* after the surface has been treated with the **MAVERICK***PRIME*.
- Porous materials - such as leather, natural wood, ceramics, porcelain and china - require additional drying time. Apply firm pressure on the joint and hold for approximately 5 seconds then allow additional curing for anywhere up to 10 minutes before testing the joint. For best and faster results apply the **MAVERICK***ACCELERATOR*.
- Metals, steel and aluminium - ensure surface is thoroughly clean. Either sand or file clean and spread adhesive evenly across the surface. Where surface contact available is inadequate, use the **MAVERICK***FILL* or **MAVERICK***STEEL* for best results.
- For flexible materials with holes or splits - such as tires or sheeting, it is more appropriate to do patchwork rather then gluing the area. Use of the **MAVERICK***FILL* may be suitable, however, the rigid setting on the *FILL* may cause it to break on flexing.
- Flexible materials subject to peeling - ensure the edges are button down with the glue otherwise the edges may lift, allowing the material in question to peel - often damaging the material.
- Cracks or splits in casings or hard materials - such instances may compromise the surface contact between the break. The **MAVERICK***BOND* alone may not have sufficient surface contact to hold - use the **MAVERICK***FILL*.
- Insufficient surface contact - whenever and wherever surface contact is insufficient to tension applied, it is imperative additional surface area is created. This may be done by plating, joining or sleeve form. Alternatively, use the **MAVERICK***FILL , AQUA* or *STEEL*.
- Large areas - contact must be made across the material. Apply pressure by shifting positions on the material to ensure ALL the areas have been given an opportunity to make the necessary contacts. On large flexible surfaces (such as repairing shoes), it is more appropriate to apply and glue section by section to ensure full contact is made across the material.

MAVERICK*FILL*

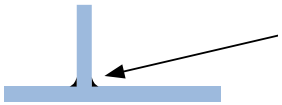
Chemical Weld

A powder to be used in conjunction with the **MAVERICK***BOND* to fill or stem punctures/ holes/gaps, build back broken surfaces, give additional strength to joints or act as a sealant. Particularly useful when surface area available is inadequate thus weak on the shear, the **MAVERICK***FILL* will ensure additional strength.

Apply **MAVERICK***FILL* of approximately 2-3mm thickness and impregnate thoroughly with **MAVERICK***BOND*. Setting time is a few seconds, however, allow a few minutes if the *FILL* is to be processed mechanically, tapped or varnished.

Commonly referred to as a micro balloon, it is made up of silica, alumna and quartz. Applying **MAVERICK***BOND* as a hardener, it creates an exothermic reaction to weld the powder components together. Particularly effective and useful for plastic mould and fiberglass repairs.

MAVERICK*FILL* is non-toxic, does not damage the environment and can be disposed of together with household wastes. Suitable for all materials.



Put on **MAVERICK***FILL* and soak thoroughly with **MAVERICK***BOND*.

The stability of such a - usually impossible - joint, can be obtained by using **MAVERICK***FILL*.

Knocked out or broken off materials can be refilled with MAVERICK FILL and can then be fixed by applying **MAVERICK***BOND*.

In connection with **MAVERICK***BOND*, **MAVERICK***FILL* is most suitable to refill and replace broken off material of any kind.

MAVERICK*ACCELERATOR*

Aid when gluing porous materials

MAVERICK*ACCELERATOR* - aid when gluing porous materials.

The **MAVERICK***ACCELERATOR* has 2 primary functions:

1. When attempting to glue porous materials - such as porcelain, ceramics, natural woods, terracotta, concrete or leather - the actual surface area available for bonding is fragmented thus limiting surface contact thereby reducing the strength of the bond. The **MAVERICK***ACCELERATOR* acts as a sealant and by increasing the surface contact, allows for better and stronger bonding on porous materials.
2. The anaerobic nature of the **MAVERICK***BOND* requires the absence of air to form bonds. Thus porous materials make such processes difficult - requiring additional drying time. Applying the **MAVERICK***ACCELERATOR* significantly reduce the bonding time on such porous materials.

In addition, the **MAVERICK***ACCELERATOR* reduces glue loss resulting from the porous materials absorbing or soaking up the glue.

The **MAVERICK***ACCELERATOR* can also be used on non-porous materials. Bonding polished surfaces such as glass, tiles and various metals can be aided by the **MAVERICK***ACCELERATOR* by ensuring a clean non-slippery surface for the adhesive to work on.

Apply the **MAVERICK***ACCELERATOR* via the brush tips in the bottle to one side of the material and the **MAVERICK***BOND* on the opposite side. DO NOT apply both products on the same side. In cases whereby 2 different materials are being glued, apply the *ACCELERATOR* to the more porous material.

It is not necessary to apply the **MAVERICK***ACCELERATOR* on non-porous materials.

Porous materials CAN BE glued without the **MAVERICK***ACCELERATOR* but if so, or for those who do not have the *ACCELERATOR*, allow more time for the **MAVERICK***BOND* to form bonds.

Where **MAVERICK***ACCELERATOR* is not available, apply the glue then apply pressure to the area for about 5 seconds. Then allow for it to set for a several minutes before you test the bonding strength – time dependent on the materials involved.

MAVERICK*PRIME*

For high performance bonding with polyofines (PE & PP)

Homopolar synthetics such as Polyethylene (PE) or Polypropylene (PP) without pre-treatment cannot be glued permanently with any glue. Other materials, such as Teflon and some polyurethane, also encounter similar difficulties.

The surface energy of these polyofines ranges around 30mN/m, which leads to problems in moistening these materials with the glue. In practice, however, it is just these materials that are frequently employed because of their excellent properties. Still, when glued together, the results were not satisfactory or it was not possible at all.

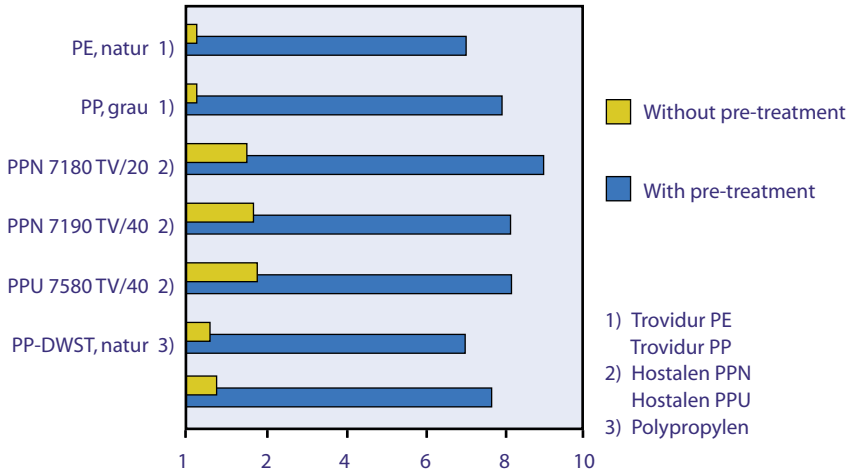
Previously, adhesion on such plastics could only be successful done by heat welding.

MAVERICK*PRIME* now offers a practical possibility to gain, by simple means of a high degree of tenacity when gluing homopolar materials with cyanoacrylatic glues. The low-viscous solution is applied to the material and, after the non-polluting dissolvent evaporates in 20-60 seconds, **MAVERICK***BOND* is applied. The joining can be performed by fitting the parts together and exerting pressure for a short moment.

After the hardening, which may take between 2 to 6 hours depending on the combination of materials - generally allow a minimum of few hours - you will often gain combined tension and shear resistance of more then 6N/mm.

Combined tension and shear resistance of bonded homopolar plastics (pre-treated)

Storage time between **MAVERICK***PRIME ACTIVATOR* treatment and bonding



Pre-treatment:	**MAVERICK***PRIME ACTIVATOR*
Method of application:	brush application
Evaporation time:	about 60 seconds
Adhesive:	**MAVERICK***BOND*
Contact force:	about 20 seconds
Curing conditions:	6 hrs, 68 F: 60% relative humidity of air
Test strip:	PE and / or PP, 100x25x3mm
Overlay:	simple 10mm

OTHER **MAVERICK** *PRODUCTS*

MAVERICK*CLEAN* Acetone Based Cleaner

Polished, smooth or glazed surfaces should be cleaned thoroughly otherwise and residual dust or contaminants can interfere with the resulting bond. Alternatively, **MAVERICK***CLEAN* can be used to clean **MAVERICK***BOND* nozzles, to clean off any excess glue or break the bond in case of mistakes.

MAVERICK*AQUA* Underwater Applicator

MAVERICK*AQUA* is used in instances where the surfaces are wet, moist or submerged as the **MAVERICK***BOND* does require a dry surface to operate.

To activate, slice out a piece of the putty as per required, kneed together for approximately a minute to activate, until it forms a uniform colour. It will remain soft and can be shaped to fit the area required for approximately 30 minutes. Allow setting for 1 hour before testing the results or 24 hours before processing mechanically.

Appropriate for use on boats, leaking tanks, pipes, swimming pools and aquariums. Also appropriate for use in gap filling dry surfaces.

MAVERICK*STEEL* Metal Weld

In some cases, gluing metals may be inappropriate.

In instances wher metals are under friction or where surface contact is insufficient to shear tension applied, welding is more suitable then gluing. **MAVERICK***STEEL* successfully mimics soldering on aluminium or welding on metals without a welder.

Especially effective in difficult to reach areas, in avoiding excessive welding and particularly on cast metals and aluminiums.

To activate, slice out a piece of the putty as per required, kneed together for approximately a minute to activate until it forms a uniform colour. It will remain soft and can be shaped to fit the area required for approximately 30 minutes. Allow setting for 1 hour before testing the results or 24 hours before processing mechanically.

SETS

MAVERICK *4 SET*

Contains:

- *BOND* 20ml
- *FILL* 20ml
- *CLEAN* 20ml
- *ACCELERATOR* 10ml

MAVERICK *POLY PACK*

Contains:

- *BOND* 20ml
- *FILL* 20ml
- *CLEAN* 20ml
- *PRIMER* 10ml

MAVERICK *PROFESSIONAL SET*

Contains:

- *BOND* 20ml
- *FILL* 20ml
- *CLEAN* 20ml
- *ACCELERATOR* 10ml
- *PRIMER* 10ml
- *AQUA*
- *STEEL*