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We are the first company with a specific focus on instant adhesives. Our team comprises an eclectic mix of talents with a shared passion to grow business and create new possibilities in the area of cyanoacrylate adhesives.

Our adhesives are designed for the consumer, professional, industrial, biomedical and cosmetic markets. Our products open up new applications and new opportunities to improve efficiency, performance and user experience.

“Simply put - we wish to transform the profile of the materials we are passionate about from the status of simple superglues to the adhesive of choice for performance, sustainability and convenience.” Ciaran McArdle - CTO AFINITICA.

We specialise in cyanoacrylate technology development and welcome queries on product customisation.
RAPID ASSEMBLY
INSTANT ASSEMBLY ADHESIVE
Repositionable and easy to use. The perfect adhesive for assembly, DIY and repair.

PROPERTIES
• Bonds in 30 seconds.
• High initial tack and final bonding strength.
• Open time up to 2 hours.
• Allows repositioning of parts.
• Can be use for large surfaces.
• Bonds a large range of materials: porous and non-porous (except polyolefins).
• Gel consistency suitable for applications in any orientation.
• Flexible.

<table>
<thead>
<tr>
<th>BASE</th>
<th>Ethyl Cyanoacrylate</th>
</tr>
</thead>
<tbody>
<tr>
<td>VISCOSITY</td>
<td>Thixotropic Gel</td>
</tr>
<tr>
<td>COLOUR</td>
<td>Transparent</td>
</tr>
<tr>
<td>FIXTURE TIME</td>
<td>30 seconds</td>
</tr>
<tr>
<td>FINAL STRENGTH (24 h)</td>
<td>Mild Steel 80-140 Kg/cm²</td>
</tr>
<tr>
<td></td>
<td>Beech Wood</td>
</tr>
<tr>
<td></td>
<td>100-120 Kg/cm² (SF)</td>
</tr>
<tr>
<td>TEMPERATURE RANGE</td>
<td>-20 °C - +80 °C</td>
</tr>
<tr>
<td>AVAILABLE FORMATS</td>
<td>15 g (aluminium tube), 30-100 g (plastic tube), 500 g (bottle), 20 kg (bulk)</td>
</tr>
<tr>
<td>ACCESSORIES</td>
<td>Active Spray, Plastic Primer</td>
</tr>
</tbody>
</table>

(SF) Substrate failure
AF PRODUCTS

The AF products are a series of ethyl cyanoacrylate formulations for the general assembly of close-fitting parts. These products are characterised by high quality, strength and speed.

Additionally, these products have been formulated to bond porous substrates.

<table>
<thead>
<tr>
<th>BASE</th>
<th>AF 00</th>
<th>AF 02</th>
<th>AF 111</th>
<th>AF 150</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl Cyanoacrylate</td>
<td>Ethyl Cyanoacrylate</td>
<td>Ethyl Cyanoacrylate</td>
<td>Ethyl Cyanoacrylate</td>
<td></td>
</tr>
<tr>
<td>Low (1,8-5 cP)</td>
<td>Low (8-25 cP)</td>
<td>Low (25-45 cP)</td>
<td>Medium (60-100 cP)</td>
<td></td>
</tr>
<tr>
<td>Transparent</td>
<td>Transparent</td>
<td>Transparent</td>
<td>Transparent</td>
<td></td>
</tr>
<tr>
<td>5 seconds</td>
<td>5 seconds</td>
<td>5 seconds</td>
<td>5 seconds</td>
<td></td>
</tr>
<tr>
<td>Beech Wood</td>
<td>Beech Wood</td>
<td>Beech Wood</td>
<td>Beech Wood</td>
<td></td>
</tr>
<tr>
<td>110-140 Kg/cm² (SF)</td>
<td>130-150 Kg/cm² (SF)</td>
<td>110-150 Kg/cm² (SF)</td>
<td>140-160 Kg/cm² (SF)</td>
<td></td>
</tr>
<tr>
<td>Mild Steel 170-200 Kg/cm²</td>
<td>Mild Steel 170-200 Kg/cm²</td>
<td>Mild Steel 150-160 Kg/cm²</td>
<td>Mild Steel 110-140 Kg/cm²</td>
<td></td>
</tr>
<tr>
<td>-20°C - +80°C</td>
<td>-20°C - +80°C</td>
<td>-20°C - +80°C</td>
<td>-20°C - +80°C</td>
<td></td>
</tr>
<tr>
<td>20 g, 50 g, 500 g, 20 kg</td>
<td>20 g, 50 g, 500 g, 20 kg</td>
<td>20 g, 50 g, 500 g, 20 kg</td>
<td>20 g, 50 g, 500 g, 20 kg</td>
<td></td>
</tr>
</tbody>
</table>

(SF) Substrate failure
AFINITICA has enlarged the range of viscosities available in our AF Series to offer a suitable solution for each application, considering the type of material, the adhesion strength, the shape of the parts to be bonded... A complete spectrum of products is now available with quality and performance guaranteed.

Due to the incorporation of the new formulae, the spectrum of products has been reorganized to meet the needs and references that are common for ethyl-based adhesives in traditional markets.

Choose the instant adhesive that best suits the application and be assured of the best result.

**AF 02**
Instant Adhesive
Low viscosity
Target materials: plastic and rubber

**AF 04**
Instant Adhesive
Medium viscosity
Target materials: general use

**AF 06**
Instant Adhesive
High viscosity
Target materials: porous such wood, cork, paper...

<table>
<thead>
<tr>
<th>BASE</th>
<th>AF 04</th>
<th>AF 200</th>
<th>AF 06</th>
<th>AF 405</th>
</tr>
</thead>
<tbody>
<tr>
<td>VISCOSITY</td>
<td>Ethyl Cyanoacrylate</td>
<td>Ethyl Cyanoacrylate</td>
<td>Ethyl Cyanoacrylate</td>
<td>Ethyl Cyanoacrylate</td>
</tr>
<tr>
<td></td>
<td>Medium (90-140 cP)</td>
<td>Medium (230-350 cP)</td>
<td>High (900-1,300 cP)</td>
<td>High (2,600-3,500 cP)</td>
</tr>
<tr>
<td>COLOUR</td>
<td>Transparent</td>
<td>Transparent</td>
<td>Transparent</td>
<td>Transparent</td>
</tr>
<tr>
<td>FIXTURE TIME</td>
<td>5 seconds</td>
<td>5 seconds</td>
<td>5 seconds</td>
<td>5 seconds</td>
</tr>
<tr>
<td>FINAL STRENGTH</td>
<td>Beech Wood</td>
<td>Beech Wood</td>
<td>Beech Wood</td>
<td>Beech Wood</td>
</tr>
<tr>
<td>(24 h)</td>
<td>130-150 Kg/cm² (SF)</td>
<td>150-170 Kg/cm² (SF)</td>
<td>140-180 Kg/cm² (SF)</td>
<td>160-170 Kg/cm² (SF)</td>
</tr>
<tr>
<td></td>
<td>Mild Steel</td>
<td>Mild Steel</td>
<td>Mild Steel</td>
<td>Mild teel</td>
</tr>
<tr>
<td></td>
<td>120-160 Kg/cm²</td>
<td>110-150 Kg/cm²</td>
<td>140-170 Kg/cm²</td>
<td>130-180 Kg/cm²</td>
</tr>
<tr>
<td>TEMPERATURE RANGE</td>
<td>-20°C - +80°C</td>
<td>-20°C - +80°C</td>
<td>-20°C - +80°C</td>
<td>-20°C - +80°C</td>
</tr>
<tr>
<td>AVAILABLE FORMATS</td>
<td>20 g, 50 g, 500 g, 20 kg</td>
<td>20 g, 50 g, 500 g, 20 kg</td>
<td>20 g, 50 g, 500 g, 20 kg</td>
<td>20 g, 50 g, 500 g, 20 kg</td>
</tr>
</tbody>
</table>

(SF) Substrate failure
ZAPIT & RTA
ZAPIT: SPECIAL FORMULA FOR FOOTWARE AND LEATHER GOODS
RTA: SPECIAL FORMULA WITH RUBBER TOUGHENING

PROPERTIES

- Instant adhesion with extremely high bonding strength.
- Bond a large range of materials (except polyolefins).
- Transparencies and easy to use.
- High peel strength.
- Bonds in 3 seconds (ZAPIT).
- Specially formulated for bonding leather (ZAPIT).
- Impact resistance (RTA).
- Flexible (RTA).

RTA

RTA includes rubber toughened particles which increase the viscosity and offer high peel strength, impacts and vibration resistance. An ideal adhesive for applications where a high resistance in a short time is required. RTA bonds all type of materials including metals, plastics and rubbers.

ZAPIT

ZAPIT offers the most convenient solution for footwear assembly and repair. This product increases manufacturing efficiency by saving time, offers quick and lasting solutions for all type of repairs and allows easy placement of logos and decals.

Initial Strength on Leather

<table>
<thead>
<tr>
<th>Peel Strength (N/mm)</th>
<th>0.5</th>
<th>1</th>
<th>1.5</th>
<th>2</th>
<th>2.5</th>
<th>3</th>
<th>3.5</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time (min)</td>
<td>5</td>
<td>30</td>
<td>24</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ZAPIT

<table>
<thead>
<tr>
<th>BASE</th>
<th>Ethyl Cyanoacrylate</th>
<th>Ethyl Cyanoacrylate</th>
</tr>
</thead>
<tbody>
<tr>
<td>VISCOSITY</td>
<td>Medium (275-350 cP)</td>
<td>High (1,000-3,000 cP)</td>
</tr>
<tr>
<td>COLOUR</td>
<td>Transparent</td>
<td>Transparent</td>
</tr>
<tr>
<td>FIXTURE TIME</td>
<td>3 seconds</td>
<td>5 seconds</td>
</tr>
<tr>
<td>FINAL STRENGTH</td>
<td>Leather (Peel) 23-48 Kg/cm²</td>
<td>Polycarbonate 80-90 Kg/cm² (SF)</td>
</tr>
<tr>
<td></td>
<td>PVC (Shear) 160-180 Kg/cm²</td>
<td>Mild Steel 140-170 Kg/cm²</td>
</tr>
<tr>
<td>TEMPERATURE RANGE</td>
<td>-20 °C - +80 °C</td>
<td>-20 °C - +80 °C</td>
</tr>
<tr>
<td>AVAILABLE FORMATS</td>
<td>20 g, 50 g, 500 g, 20 kg</td>
<td>20 g, 50 g, 500 g, 20 kg</td>
</tr>
<tr>
<td>ACCESSORIES</td>
<td>Active Spray, Plastic Primer, precision tips</td>
<td>Active Spray, Plastic Primer, precision tips</td>
</tr>
</tbody>
</table>

(SF) Substrate failure
**ASSURED ADHESION**

Instant adhesive with high resistance to humidity exposure. As opposed to other adhesives, the strength of adhesion is constant at its maximum value even after 7 days of total submersion in water at 60 °C.

**PROPERTIES**

- Formulated with acrylates for long shelf life.
- Bonds in 30 seconds.
- High resistance to water and moisture exposure.
- Transparent.
- High adhesion strength.
- Bonds a large range of materials (except polyolefins).
- Easy to use.

---

**H₂R**

HIGH HUMIDITY RESISTANT ADHESIVE

Instant adhesive with high resistance to moisture exposure.

**ASSURED ADHESION**

Instant adhesive with high resistance to humidity exposure. As opposed to other adhesives, the strength of adhesion is constant at its maximum value even after 7 days of total submersion in water at 60 °C.

**PROPERTIES**

- Formulated with acrylates for long shelf life.
- Bonds in 30 seconds.
- High resistance to water and moisture exposure.
- Transparent.
- High adhesion strength.
- Bonds a large range of materials (except polyolefins).
- Easy to use.

---

**BASE**

Ethyl Cyanoacrylate

**VISCOSITY**

Medium (150-250 cP)

**COLOUR**

Transparent

**FIXTURE TIME**

30 seconds

**FINAL STRENGTH (24 h)**

Mild Steel Grit-Blasted

150-200 Kg/cm²

Beech Wood

100-150 Kg/cm² (SF)

**TEMPERATURE RANGE**

-20 °C - +80 °C

**AVAILABLE FORMATS**

20 g, 50 g, 500 g, 20 kg

**ACCESSORIES**

Active Spray, Plastic Primer, precision tips

(SF) Substrate failure
Before developing our production method, there was only one single cyanoacrylate mass production process. This technology had not changed in 60 years and it was focused principally on production of a single monomer: Ethyl Cyanoacrylate (ECA), which is today almost a commodity.

We reject the idea that reactive monomers could only be made by first allowing them to polymerise during manufacture, and that the only way to recover monomer was to subsequently crack apart polymers with large inputs of expensive energy in a process that also created many residues. Such argument limits the scope of the type of monomers that could be realisable in a practical manner.

In AFINITICA, we are proud of having achieved the development of a new crackless production process patented for the cyanoacrylate manufacture. It was implemented in 2015 and allows us to obtain a large range of different types of cyanoacrylates with high performance and purity.

Due to these technological advances, AFINITICA is a pioneer in Methoxyethyl Cyanoacrylate (MECA) based adhesives, which is a non-irritant, odourless and non-staining monomer. Additionally, incorporation of new ways to balance reactivity and stability developed in 2016 enable us to offer unique products with long shelf life at a very competitive price.

Our products have the best quality that can be found in the market. We continue developing and innovating in all possible areas to improve this technology. Continuous improvement is our mantra.
The most advanced non-irritant and odourless instant adhesives for professional and home use.

**PROPERTIES**

- High bonding strength.
- Flexible.
- Bond a large range of materials, including polystyrene (except polyolefins).
- Non irritant, non lachrymatory, label free.
- Low odour and low blooming.
- Impact resistance.
- Gel consistency suitable for applications in any orientation.
- Good peel strength.
- Allows repositioning of parts (BEMO 59).
- Water and high temperature resistance for outdoor use (BEMO 64+).
- Patented formula (BEMO 64+).
- Bonds in 5 seconds (BEMO 2020).

**METHOXYETHYL GELS**

**BEMO 2020**
- Instant adhesion
- Transparent
- Available Formats: 500 g, 20 kg, others to confirm
- Temperature Range: -20°C - +80°C
- Accessory: Active Spray, Plastic Primer

**BEMO 59**
- Repositionable
- Transparent
- Available Formats: 500 g, 20 kg, others to confirm
- Temperature Range: -20°C - +80°C
- Accessory: Active Spray, Plastic Primer

**BEMO 64+**
- Outdoor use
- Patented
- Available Formats: 500 g, 20 kg, others to confirm
- Temperature Range: -20°C - +150°C
- Accessory: Active Spray, Plastic Primer

---

<table>
<thead>
<tr>
<th>BASE</th>
<th>VISCOSITY</th>
<th>COLOUR</th>
<th>FIXTURE TIME</th>
<th>FINAL STRENGTH (24 h)</th>
<th>TEMPERATURE RANGE</th>
<th>AVAILABLE FORMATS</th>
<th>ACCESSORIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEMO 59</td>
<td>Methoxyethyl Cyanoacrylate Gel (30,000-50,000 cP)</td>
<td>Transparent</td>
<td>60 seconds</td>
<td>Beech Wood 120-140 Kg/cm² (SF) ABS 100-120 Kg/cm² (FS)</td>
<td>-20°C - +80°C</td>
<td>500 g, 20 kg, others to confirm</td>
<td>Active Spray, Plastic Primer</td>
</tr>
<tr>
<td>BEMO 64+</td>
<td>Methoxyethyl Cyanoacrylate Gel (17,000-50,000 cP)</td>
<td>Whitish</td>
<td>30 seconds</td>
<td>Beech Wood 120-140 Kg/cm² (SF) ABS 90-100 Kg/cm² (FS)</td>
<td>-20°C - +150°C</td>
<td>500 g, 20 kg, others to confirm</td>
<td>Active Spray, Plastic Primer</td>
</tr>
<tr>
<td>BEMO 2020</td>
<td>Methoxyethyl Cyanoacrylate Gel (17,000-25,000 cP)</td>
<td>Transparent</td>
<td>5 seconds</td>
<td>Beech Wood 120-140 Kg/cm² (SF) Mild Steel Grit-Blasted</td>
<td>-20°C - +80°C</td>
<td>500 g, 20 kg, others to confirm</td>
<td>Active Spray, Plastic Primer</td>
</tr>
</tbody>
</table>

(SF) Sustrate failure
BX & BXY
SERIES
HIGH PERFORMANCE ODORLESS INSTANT ADHESIVES
The most advanced non-irritant and odorless instant adhesives for professional and home use.

PROPERTIES

- Instant adhesion.
- High bonding strength.
- More flexibility than conventional instant adhesives.
- Non irritant, non lachrymatory, label free.
- Low odour and low blooming.
- Bonds a large range of materials, including polystyrene (except polyolefins).
- All products available with UV Tracer to allow in-line quality control.
- Transparent and easy to use.
- Different viscosities available (see table).
- BX03 certified by NFS. Others can be certified.
- The BXY Series could be certified under ISO10993 for medical devices use.

SPECIAL GRADE MONOMER
The BXY Series had been formulated with a special grade Methoxyethyl Cyanoacrylate which improves fixture time that now is only 3 seconds. It also increase the shelf life of the product.

<table>
<thead>
<tr>
<th>BASE VISCOSITY</th>
<th>BX01 / BXY01</th>
<th>BX03 / BXY03</th>
<th>BX05 / BXY05</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methoxyethyl Cyanoacrylate</td>
<td>BX01: Low (40-80 cP)</td>
<td>BX03: Medium (125-250 cP)</td>
<td>BX05: High (1,100-1,750 cP)</td>
</tr>
<tr>
<td>Methoxyethyl Cyanoacrylate</td>
<td>BX01: Low (40-80 cP)</td>
<td>BX03: Medium (120-170 cP)</td>
<td></td>
</tr>
<tr>
<td>COLOUR</td>
<td>Transparent</td>
<td>Transparent</td>
<td>Transparent</td>
</tr>
<tr>
<td>FIXTURE TIME</td>
<td>BX01: 10 seconds</td>
<td>BX03: 10 seconds</td>
<td>BX05: 15 seconds</td>
</tr>
<tr>
<td></td>
<td>BX01: 3 seconds</td>
<td>BX03: 3 seconds</td>
<td>BX05: 3 seconds</td>
</tr>
<tr>
<td>FINAL STRENGTH (24 h)</td>
<td>Beech Wood</td>
<td>Beech Wood</td>
<td>Beech Wood</td>
</tr>
<tr>
<td></td>
<td>BX01: 70-110 Kg/cm² (SF)</td>
<td>BX03: 90-160 Kg/cm² (SF)</td>
<td>BX05: 110-140 Kg/cm² (SF)</td>
</tr>
<tr>
<td></td>
<td>BX01: 80-100 Kg/cm² (SF)</td>
<td>BX03: 120-140 Kg/cm² (SF)</td>
<td>BX05: 130-150 Kg/cm² (SF)</td>
</tr>
<tr>
<td></td>
<td>Mild Steel</td>
<td>Mild Steel</td>
<td>Mild Steel</td>
</tr>
<tr>
<td></td>
<td>BX01: 120-150 Kg/cm²</td>
<td>BX03: 100-200 Kg/cm²</td>
<td>BX05: 70-120 Kg/cm²</td>
</tr>
<tr>
<td></td>
<td>BX01: 90-140 Kg/cm²</td>
<td>BX03: 80-130 Kg/cm²</td>
<td>BX05: 100-140 Kg/cm²</td>
</tr>
<tr>
<td>TEMPERATURE RANGE</td>
<td>-20°C - +80°C</td>
<td>-20°C - +80°C</td>
<td>-20°C - +80°C</td>
</tr>
<tr>
<td>AVAILABLE FORMATS</td>
<td>20 g, 50 g, 500 g, 20 kg</td>
<td>20 g, 50 g, 500 g, 20 kg</td>
<td>20 g, 50 g, 500 g, 20 kg</td>
</tr>
<tr>
<td>ACCESSORIES</td>
<td>Active Spray, Plastic Primer, precision tips</td>
<td>Active Spray, Plastic Primer, precision tips</td>
<td>Active Spray, Plastic Primer, precision tips</td>
</tr>
</tbody>
</table>

(SF) Substrate failure
FURY
HIGH TEMPERATURE RESISTANT ADHESIVE
Specially formulated to resist exposures up to +175 ºC.

THE MAXIMUM PERFORMANCE

Fury is the first odourless cyanoacrylate capable of withstanding temperatures up to +150 ºC constantly with prolonged exposure while maintaining its performance and adhesion strength. Moreover, it can withstand temperatures excursions up to +175 ºC, making it a truly thermally resistant adhesive.

Fury's Adhesion Evolution after Exposure to High Temperatures on Mild Steel

After cured, 24 h @ 22 ºC

<table>
<thead>
<tr>
<th>Exposure Time (days)</th>
<th>Final Strength (MPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>14</td>
</tr>
<tr>
<td>2</td>
<td>12</td>
</tr>
<tr>
<td>4</td>
<td>10</td>
</tr>
<tr>
<td>6</td>
<td>8</td>
</tr>
<tr>
<td>8</td>
<td>6</td>
</tr>
<tr>
<td>10</td>
<td>4</td>
</tr>
<tr>
<td>12</td>
<td>2</td>
</tr>
<tr>
<td>14</td>
<td>0</td>
</tr>
</tbody>
</table>

+125 ºC ∈ +150 ºC

PROPERTIES

• Formulated with acrylates for long shelf life.
• Bonds in 10 seconds.
• Withstands exposure to high temperatures (up to +175 ºC).
• More flexibility than conventional instant adhesives.
• Low odour and low blooming.
• Bonds a large range of materials (except polyolefins).

BASE
Methoxyethyl Cyanoacrylate

VISCOITY
Medium (280-400 cP)

COLOUR
Transparent

FIXTURE TIME
10 seconds

FINAL STRENGTH (24 h)
Mild Steel 100-190 Kg/cm²
Beech Wood 70-90 Kg/cm²

TEMPERATURE RANGE
-20 ºC - +150 ºC

AVAILABLE FORMATS
20 g, 50 g, 500 g, 20 kg

ACCESSORIES
Plastic Primer, precision tips
3D Fix

IMPREGNATING ADHESIVE FOR 3D PRINTING PARTS

A single product to offer the best service for 3D printing.

**PROPERTIES**

- High primer capacity.
- Increases resistance and durability of parts.
- Can be used as a coating.
- Non irritant, non lachrymatory, label free.
- Low odour and low blooming.
- Revives colours.
- Glossy finish.
- Drying in 24 h.
- Transparent and easy to use.

**ALL IN ONE**

3D Fix is a cyanoacrylate adhesive designed specifically for impregnating, priming and hardening of 3D printed gypsum parts. Due to its high priming depth, it impregnates the piece from the inside increasing its resistance and durability.

The colours are visibly more intense and vibrant. It can also be used as a coating to provide extra gloss.

**BASE**

Methoxyethyl Cyanoacrylate

**VISCOSITY**

Low (4-7 cP)

**COLOUR**

Transparent

**DRY TIME**

24 hours

**TEMPERATURE RANGE**

-20°C - +80°C

**AVAILABLE FORMATS**

500 g, 1 Kg, 20 Kg

**ACCESSORIES**

Active Spray
AFINITICA’s 2-component (2K) cyanoacrylates (CAs) deliver performance, precision and safety on every kind of applications.

The syringe, plunger and built-in mixer-dispenser package for cyanoacrylates provides an accurate delivery of a reactive messy product in any orientation. Additionally, it provides a cost-effective and efficient use of the viscous product, resulting in:

- No waste due to product overrun in the standard tubes.
- Full use of product and reliable re-usability due to clean and isolated stoppering.
- Easy and safely disposed of solidified product in mixer when finished.

The mixing of both components enables cyanoacrylates to overcome gap filling shortfalls and broaden application scope, as well as modifying the limited property of 1-component (1K). Due to the dual chamber format of the packaging, both parts remain isolated, while the product is uniformly mixed at point of dispensing. That allows use of formulation components that are incompatible in 1-component adhesives and thus enables customisation of factors according to application.
GAP FILLING INSTANT ADHESIVES
The perfect combination between an epoxy and a superglue.

PROPERTIES

- High bonding strength.
- Bonds in 10 seconds at zero gap.
- Fills gaps up to 5 mm.
- Active on part for up 5 (Adhesive Welding Ultra) or 30 (Adhesive Welding) minutes.
- Bonds a large range of materials (except polyolefins).
- Transparent.
- Precision dispensing.
- Reclosable and reusable full content.
- Suitable for applications in any orientation.

ADHESIVE WELDING ULTRA

Adhesive Welding Ultra combines all the properties of Adhesive Welding but is differentiated by shorter working and open times for applications requiring fast fixturing and fast assembly.

<table>
<thead>
<tr>
<th>BASE</th>
<th>Ethyl Cyanoacrylate</th>
<th>Ethyl Cyanoacrylate</th>
</tr>
</thead>
<tbody>
<tr>
<td>VISCOSITY</td>
<td>Thixotropic Gel</td>
<td>Thixotropic Gel</td>
</tr>
<tr>
<td>COLOUR</td>
<td>Transparent</td>
<td>Transparent</td>
</tr>
<tr>
<td>FIXTURE TIME</td>
<td>10 seconds</td>
<td>10 seconds</td>
</tr>
<tr>
<td>FINAL STRENGTH (24 h)</td>
<td>Beech Wood</td>
<td>Beech Wood</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OPEN TIME</td>
<td>20-30 minutes</td>
<td>5-6 minutes</td>
</tr>
<tr>
<td>GAP FILLING CAPACITY</td>
<td>5 mm</td>
<td>5 mm</td>
</tr>
<tr>
<td>TEMPERATURE RANGE</td>
<td>-20°C - +120°C</td>
<td>-20°C - +120°C</td>
</tr>
<tr>
<td>AVAILABLE FORMATS</td>
<td>10 g, 50 g, 200 g, 400 g</td>
<td>10 g, 50 g, 200 g, 400 g</td>
</tr>
<tr>
<td>ACCESSORIES</td>
<td>Active Spray, Plastic Primer, dispensers, mixers</td>
<td>Active Spray, Plastic Primer, dispensers, mixers</td>
</tr>
</tbody>
</table>
ADHESIVE WELDING METAL
ADHESIVE WELDING METAL+
INSTANT ADHESIVES WITH GAP FILLING CAPACITY AND EXCELLENT ADHESION TO METALS
The definite solution to work with metals or under high temperatures exposures.

ADHESIVE WELDING METAL+
Adhesive Welding Metal+ adds high temperature resistance to the excellent adhesion to metals of Adhesive Welding Metal. It allows a wide variety of applications in machinery, engines and other industrial applications. It is also formulated with acrylates to increase durability.

PROPERTIES
• High bonding strength.
• Bonds in 10-15 seconds at zero gap.
• Fills gaps up to 5 mm.
• High adhesion to metals, specially aluminium.
• Bonds a large range of materials (except polyolefins).
• Transparent or grey.
• Precision dispensing.
• Reclosable and reusable full content.
• Suitable for applications in any orientation.
• High temperature resistance.

<table>
<thead>
<tr>
<th>BASE</th>
<th>Ethyl Cyanoacrylate</th>
<th>Ethyl Cyanoacrylate</th>
</tr>
</thead>
<tbody>
<tr>
<td>VISCOSITY</td>
<td>Thixotropic Gel</td>
<td>Thixotropic Gel</td>
</tr>
<tr>
<td>COLOUR</td>
<td>Grey / Transparent</td>
<td>Grey</td>
</tr>
<tr>
<td>FIXTURE TIME</td>
<td>15 seconds</td>
<td>10 seconds</td>
</tr>
<tr>
<td>FINAL STRENGTH (24 h)</td>
<td>Aluminium A6082 150-220 Kg/cm²</td>
<td>Aluminium A6082 210-230 Kg/cm²</td>
</tr>
<tr>
<td></td>
<td>Mild Steel 150-210 Kg/cm²</td>
<td>Mild Steel 120-150 Kg/cm²</td>
</tr>
<tr>
<td>OPEN TIME</td>
<td>35-40 minutes</td>
<td>5-6 minutes</td>
</tr>
<tr>
<td>GAP FILLING CAPACITY</td>
<td>5 mm</td>
<td>5 mm</td>
</tr>
<tr>
<td>TEMPERATURE RANGE</td>
<td>-20°C - +120°C</td>
<td>-20°C - +150°C</td>
</tr>
<tr>
<td>AVAILABLE FORMATS</td>
<td>10 g, 50 g, 200 g, 400 g</td>
<td>10 g, 50 g, 200 g, 400 g</td>
</tr>
<tr>
<td>ACCESSORIES</td>
<td>Active Spray, Plastic Primer, dispensers, mixers</td>
<td>Active Spray, Plastic Primer, dispensers, mixers</td>
</tr>
</tbody>
</table>

(SF) Substrate failure
SUPER REPAIR
IMPACT RESISTANT ADHESIVE WITH GAP FILLING CAPACITY
The only adhesive capable of bonding and repairing in minutes. Machinable, paintable and impact resistant.

PROPERTIES
• Hardens in 5-10 minutes.
• Instant adhesion and high bonding strength.
• Fills gaps of any volume.
• Bonds a large range of materials (except polyolefins).
• May be drilled, tapped, sanded, filed once hardened.
• Paintable.
• Impact resistant.
• Low volume shrinkage.
• Gel consistency suitable for application in any orientation.

**Toughness (Mild Steel Grit-Blasted, gap 2 mm, 24 h)**

*Energy absorption = area below the curve*

<table>
<thead>
<tr>
<th>BASE</th>
<th>Ethyl Cyanoacrylate</th>
</tr>
</thead>
<tbody>
<tr>
<td>VISCOSITY</td>
<td>Thixotropic Gel</td>
</tr>
<tr>
<td>COLOUR</td>
<td>Whitish</td>
</tr>
<tr>
<td>FIXTURE TIME</td>
<td>15 seconds</td>
</tr>
<tr>
<td>FINAL STRENGTH (24 h)</td>
<td>Mild Steel 100-120 Kg/cm², Beech Wood 140-150 Kg/cm² (SF)</td>
</tr>
<tr>
<td>GAP FILLING CAPACITY</td>
<td>unlimited</td>
</tr>
<tr>
<td>TEMPERATURE RANGE</td>
<td>-20 °C - +80 °C</td>
</tr>
<tr>
<td>AVAILABLE FORMATS</td>
<td>10 g, 50 g, 200 g, 400 g</td>
</tr>
<tr>
<td>ACCESSORIES</td>
<td>Active Spray, Plastic Primer, dispensers, mixers</td>
</tr>
</tbody>
</table>

(SF) Substrate failure
FIRST FLEXIBLE & ELASTIC 2K CYANOACRYLATE

The only elastic and bulk-curing 2K cyanoacrylate in the market. Due to its formulation based on a low volatility monomer, it is a non-irritant, odourless and non-staining adhesive. It offers an elongation > 200% with a high bonding strength. Super Flex is ideal for repairing parts that flex or move relative to each other or vibrate.

PROPERTIES

- Bonds in 60 seconds.
- Cures in 6-10 minutes.
- Instant adhesion and high peel strength.
- Elongation > 200%.
- Non lachrymatory, non irritant, label free.
- Absorbs impacts and vibrations.
- Odourless and low blooming.
- Bonds a large range of materials, specially vitrified surfaces (ceramic, glass), except polyolefins.
- Gel consistency suitable for applications in any orientation.
- Certified by NSF.

BASE

- Mehtoxyethyl Cyanoacrylate
- Thixotropic Gel

COLOUR

- Transparent

FIXTURE TIME

- 60 seconds

FINAL STRENGTH (24 h)

- Mild Steel 40-50 Kg/cm²
- ABS 60-80 Kg/cm² (SF)

GAP FILLING CAPACITY

- 1 cm

TEMPERATURE RANGE

- -20 °C - +80 °C

AVAILABLE FORMATS

- 10 g, 50 g, 200 g, 400 g

ACCESSORIES

- Active Spray, Plastic Primer, dispensers, mixers

(SF) Substrate failure
THE LIGHT CURING TECHNOLOGY

The UV technology is the next big step in the adhesive industry. AFINITICA has developed a process that combines light curing and moisture curing into a single product, working as a dual cure mechanism. This technology has been implemented in Light lock nº1 and is patented, as the first visible light curing Methoxyethyl Cyanoacrylate (MECA) in the market.

When Light lock nº1 is applied between substrates, surface initiated cure begins instantly. In the surface, the bound water activates the adhesive, which polymerizes, bonding the two surfaces. The same chemical process occurs when curing begins through the photo-initiator, once the adhesive is activated by the light, initiation of polymerisation ensues.

The light curing technology offers unique advantages in industrial processes and cost reduction. Ultra-fast cure allows shorter production cycle times, in-line quality control and less work-in-process (WIP) inventory. Moreover, the 1-component system is solvent free, odourless, has zero blooming, requires no mixing and works with precise automated dispensing.

Dual initiation mechanism guarantees the maximum degree of cure in the minimum time in any situation including shadow cure, surface cure, deep cure and cure of excess adhesive fillets. The product can also be used atop or beside single substrates so enabling joint reinforcement and/or sealing.
LIGHT LOCK Nº 1

ODOURLESS LIGHT CURING INSTANT ADHESIVE

The first odourless light curing cyanoacrylate. A unique product in the market.

WORLD FIRST

The proprietary formulation exploits a novel photo-initiator system that is highly sensitivity to visible and UV light. Light lock nº1 additionally functions as an odourless instant adhesive offering high bonding strength on a plethora of substrates.

PROPERTIES

- Dual cure system: moisture (shadow cure) and photo-cure.
- High photosensitivity to visible and UV light
- Room temperature storage stability.
- Dry to touch, tack free cure.
- Cure-on-demand of excess material exuded from bondlines.
- Bonds, fills and reconstructs.
- Can be used as a coating.
- Odourless, zero blooming.
- Non irritant, label free.
- Available in different viscosities.
- Certified by NSF.
- All products available with UV Tracer to allow in-line quality control.

<table>
<thead>
<tr>
<th>Light Lock Nº 1 LV</th>
<th>Light Lock Nº 1 MV</th>
<th>Light Lock Nº 1 HV</th>
<th>Light Lock Nº 1 Gel</th>
</tr>
</thead>
<tbody>
<tr>
<td>BASE</td>
<td>Methoxylethyl Cyanoacrylate</td>
<td>Methoxylethyl Cyanoacrylate</td>
<td>Methoxylethyl Cyanoacrylate</td>
</tr>
<tr>
<td>VISCOSITY</td>
<td>Low (10-30 cP)</td>
<td>Medium (180-220 cP)</td>
<td>High (600-1200 cP)</td>
</tr>
<tr>
<td>COLOUR</td>
<td>Cures transparent</td>
<td>Cures transparent</td>
<td>Cures transparent</td>
</tr>
<tr>
<td>FIXTURE TIME UNDER LIGHT</td>
<td>5 seconds</td>
<td>5 seconds</td>
<td>5 seconds</td>
</tr>
<tr>
<td>FINAL STRENGTH (24 h)</td>
<td>ABS 120-130 Kg/cm² (SF)</td>
<td>ABS 120-130 Kg/cm² (SF)</td>
<td>ABS 120-130 Kg/cm² (SF)</td>
</tr>
<tr>
<td>PVC 60-70 Kg/cm² (SF)</td>
<td>PVC 110-130 Kg/cm² (SF)</td>
<td>PVC 120-130 Kg/cm² (SF)</td>
<td>PVC 121-137 Kg/cm² (SF)</td>
</tr>
<tr>
<td>TEMPERATURE RANGE</td>
<td>-20 °C - +80 °C</td>
<td>-20 °C - +80 °C</td>
<td>-20 °C - +80 °C</td>
</tr>
<tr>
<td>AVAILABLE FORMATS</td>
<td>20 g, 500 g</td>
<td>20 g, 500 g</td>
<td>20 g, 500 g</td>
</tr>
<tr>
<td>ACCESSORIES</td>
<td>Active Spray, Plastic Primer, precision tips</td>
<td>Active Spray, Plastic Primer, precision tips</td>
<td>Active Spray, Plastic Primer, precision tips</td>
</tr>
</tbody>
</table>

(SF) Substrate failure
ACCESSORIES

ACTIVE SPRAY 150ml
Activator spray for instant adhesives

PROPERTIES
• Increases curing speed of cyanoacrylate adhesives on acidic woods and porous substrates.
• Dries in seconds.
• Open time up to 24 hours.
• Non toxic.
• Transparent and non yellowing.
• Easy to use.
• Available in sachets.

PLASTIC PRIMER 30ml
Polyolefin primer for instant adhesives

PROPERTIES
• Improves adhesion to difficult to bond substrates.
• Specially formulated for adhesion in polyolefins (PE, PP, Teflon...).
• Suitable for use with other cyanoacrylates.
• Dries in seconds.
• Increases adhesion strength.

DISPENSERS AND MIXERS
For 10 g, 50 g, 200 g and 400 g syringes.
**SUMMARY**

Instant adhesives with gap filling capability on multi-substrates excluding polyolefins. The two-component system allows the gap filling and the gel consistency enables applications in any orientation. Its ergonomically designed syringe with the static mixer assures a uniformity and high precision application, which is made in a very clean and easy way.

<table>
<thead>
<tr>
<th>BASE</th>
<th>ADHESIVE WELDING</th>
<th>ADHESIVE WELDING METAL</th>
<th>SUPER REPAIR</th>
<th>SUPER FLEX</th>
<th>ADHESIVE WELDING ULTRA</th>
<th>ADHESIVE WELDING METAL +</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ethyl</td>
<td>Ethyl</td>
<td>Ethyl</td>
<td>Methoxyethyl</td>
<td>Ethyl</td>
<td>Ethyl</td>
</tr>
<tr>
<td>VISCOSITY</td>
<td>Thixotropic Gel</td>
<td>Thixotropic Gel</td>
<td>Thixotropic Gel</td>
<td>Thixotropic Gel</td>
<td>Thixotropic Gel</td>
<td>Thixotropic Gel</td>
</tr>
<tr>
<td>COLOUR</td>
<td>Transparent</td>
<td>Grey / Transparent</td>
<td>Whitish</td>
<td>Transparent</td>
<td>Transparent</td>
<td>Grey</td>
</tr>
<tr>
<td>FIXTURE TIME</td>
<td>10 seconds</td>
<td>15 seconds</td>
<td>15 seconds</td>
<td>60 seconds</td>
<td>10 seconds</td>
<td>10 seconds</td>
</tr>
<tr>
<td>FINAL STRENGTH (24 h)</td>
<td>Mild Steel Grit-Blasted 190-230 Kg/cm² Beech Wood 110-160 Kg/cm² (SF)</td>
<td>Mild Steel Grit-Blasted 200-240 Kg/cm² Aluminium A6082 150-220 Kg/cm²</td>
<td>Mild Steel Grit-Blasted 190-230 Kg/cm² Beech Wood 110-160 Kg/cm² (SF)</td>
<td>Mild Steel Grit-Blasted 60-90 Kg/cm² ABS 55-70 Kg/cm²</td>
<td>Mild Steel 120-140 Kg/cm² Beech Wood 140-160 Kg/cm² (SF)</td>
<td>Mild Steel 120-150 Kg/cm² Aluminium A6082 210-230 Kg/cm²</td>
</tr>
<tr>
<td>TEMPERATURE RANGE</td>
<td>-20 °C - +120 °C</td>
<td>-20 °C - +80 °C</td>
<td>-20 °C - +80 °C</td>
<td>-20 °C - +80 °C</td>
<td>-20 °C - +120 °C</td>
<td>-20 °C - +150 °C</td>
</tr>
<tr>
<td>GAP FILLING</td>
<td>5 mm</td>
<td>5 mm</td>
<td>unlimited</td>
<td>1 cm</td>
<td>5 mm</td>
<td>5 mm</td>
</tr>
<tr>
<td>OPEN TIME</td>
<td>20-30 min</td>
<td>35-40 min</td>
<td>4-10 min</td>
<td>6-10 min</td>
<td>5-6 min</td>
<td>5-6 min</td>
</tr>
</tbody>
</table>

**GENERAL DESCRIPTION**

Instant adhesives with gap filling capability on multi-substrates excluding polyolefins. The two-component system allows the gap filling and the gel consistency enables applications in any orientation. Its ergonomically designed syringe with the static mixer assures a uniformity and high precision application, which is made in a very clean and easy way.

**SPECIFIC PROPERTIES**

- Long open and working time
- Excellent adhesion to metals, specially aluminium
- Bonds, repairs and reconstructs
- Can be machined once hardened after 5-10 min
- Impact resistant
- Minimum volume shrinkage
- Patented
- Flexible and elastic (elongation >200%)
- Impact and vibration resistance
- Non irritant
- Low odour
- Low blooming
- Patented
- Instant adhesion
- Short open time
- Multi-substrate
- Transparent
- Short open time
- Short open time

**AVAILABLE FORMATS**

- 10 g, 50 g, 200 g, 400 g
- 10 g, 50 g, 200 g, 400 g
- 10 g, 50 g, 200 g, 400 g
- 10 g, 50 g, 200 g, 400 g
- 10 g, 50 g, 200 g, 400 g
- 10 g, 50 g, 200 g, 400 g

(SF) Substrate failure
<table>
<thead>
<tr>
<th></th>
<th>RAPID ASSEMBLY</th>
<th>BEMO 2020</th>
<th>BEMO 64+</th>
<th>BEMO 59</th>
<th>BX SERIES</th>
<th>BXY SERIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>BASE</td>
<td>Ethyl</td>
<td>Methoxymethyl</td>
<td>Methoxymethyl</td>
<td>Methoxymethyl</td>
<td>Methoxymethyl</td>
<td>Methoxymethyl</td>
</tr>
<tr>
<td>VISCOSITY</td>
<td>Thixotropic Gel</td>
<td>Thixotropic Gel</td>
<td>Thixotropic Gel</td>
<td>Thixotropic Gel</td>
<td>BX01: 40-60 cP</td>
<td>BX01: 40-80 cP</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BX03: 120-250 cP</td>
<td>BX03: 120-170 cP</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BX05: 1200-1500 cP</td>
<td>BX05: 700-1000 cP</td>
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<tr>
<td>COLOUR</td>
<td>Transparent</td>
<td>Transparent</td>
<td>Transparent</td>
<td>Transparent</td>
<td>Transparent</td>
<td>Transparent</td>
</tr>
<tr>
<td>FIXTURE TIME</td>
<td>30 seconds</td>
<td>5 seconds</td>
<td>30 seconds</td>
<td>60 seconds</td>
<td>10-15 seconds</td>
<td>3 seconds</td>
</tr>
<tr>
<td>FINAL STRENGTH</td>
<td>Mild Steel 100-120</td>
<td>Beech Wood 120-140 (SF)</td>
<td>Beech Wood 120-140 (SF)</td>
<td>Beech Wood 120-140 (SF)</td>
<td>Beech Wood 120-140 (SF)</td>
<td>Beech Wood 120-140 (SF)</td>
</tr>
<tr>
<td></td>
<td>Beech Wood 100-120 (SF)</td>
<td>Mild Steel 160-180</td>
<td>Mild Steel 170-220</td>
<td>Mild Steel 160-190</td>
<td>Mild Steel 160-190</td>
<td>Mild Steel 160-190</td>
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<tr>
<td>TEMPERATURE RANGE</td>
<td>-20 °C - +80 °C</td>
<td>-20 °C - +150 °C</td>
<td>-20 °C - +80 °C</td>
<td>-20 °C - +80 °C</td>
<td>-20 °C - +80 °C</td>
<td>-20 °C - +80 °C</td>
</tr>
<tr>
<td>GAP FILLING</td>
<td>≦0,25 mm</td>
<td>≦0,25 mm</td>
<td>≦0,25 mm</td>
<td>≦0,25 mm</td>
<td>≦0,10-0,20 mm</td>
<td>≦0,10-0,20 mm</td>
</tr>
<tr>
<td>OPEN TIME</td>
<td>2 hours</td>
<td>2 hours</td>
<td>2 hours</td>
<td>2 hours</td>
<td>Up to 2 hours</td>
<td>Up to 2 hours</td>
</tr>
<tr>
<td>GENERAL DESCRIPTION</td>
<td>Assembly adhesive with fast adhesion, and repositionable during 2 minutes.</td>
<td>The fastest non irritant low odour instant adhesive suitable for working in any orientation.</td>
<td>Moisture and high temperature resistant, non irritant, low odour adhesive for outdoor use.</td>
<td>Flexible non irritant adhesive with good peel strength resistance.</td>
<td>Non irritant instant adhesives for general use.</td>
<td>High performance non irritant instant adhesives for general use.</td>
</tr>
<tr>
<td>SPECIFIC PROPERTIES</td>
<td>• Repositionable</td>
<td>• Instant adhesion</td>
<td>• Moisture and high temperature resistant</td>
<td>• Non irritant</td>
<td>• Non irritant</td>
<td>• Non irritant</td>
</tr>
<tr>
<td></td>
<td>• Suitable for porous and non-porous substrates (except polyolefins)</td>
<td>• Non irritant</td>
<td>• Non irritant</td>
<td>• Low odour and low blooming</td>
<td>• Low odour and low blooming</td>
<td>• Low odour and low blooming</td>
</tr>
<tr>
<td></td>
<td>• Gel consistency</td>
<td>• Low odour and low blooming</td>
<td>• Low odour and low blooming</td>
<td>• Peel resistance</td>
<td>• Peel resistance</td>
<td>• Peel resistance</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Flexible</td>
<td>• Flexible</td>
<td>• Flexible</td>
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<tr>
<td></td>
<td></td>
<td>• Gel consistency</td>
<td>• Gel consistency</td>
<td>• Repositionable</td>
<td>• Repositionable</td>
<td>• Repositionable</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• High stability</td>
<td>• Gel consistency</td>
<td>• Gel consistency</td>
<td>• Gel consistency</td>
<td>• Gel consistency</td>
</tr>
<tr>
<td>AVAILABLE FORMATS</td>
<td>15 g, 30-100 g, 500 g, 20 kg</td>
<td>500 g, 20 kg, others to confirm</td>
<td>500 g, 20 kg, others to confirm</td>
<td>500 g, 20 kg, others to confirm</td>
<td>20 g, 50 g, 500 g, 20 kg</td>
<td>20 g, 50 g, 500 g, 20 kg</td>
</tr>
</tbody>
</table>

(SF) Substrate failure
<table>
<thead>
<tr>
<th>BASE</th>
<th>AF SERIES</th>
<th>ZAPIT</th>
<th>RTA</th>
<th>H2R</th>
<th>FURY</th>
<th>LIGHT LOCK No. 1</th>
<th>3D FIX</th>
</tr>
</thead>
<tbody>
<tr>
<td>VISCOSITY (cP)</td>
<td>Ethyl</td>
<td>Ethyl</td>
<td>Ethyl</td>
<td>Ethyl</td>
<td>Methoxyethyl</td>
<td>Methoxyethyl</td>
<td>Methoxyethyl</td>
</tr>
<tr>
<td>AF00: 1,8-5</td>
<td>250-400</td>
<td>1.000-3.000</td>
<td>150-250</td>
<td>280-400</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AF02: 8-25</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>AF111: 25-45</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AF150: 60-100</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>AF04: 90-140</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>AF200: 230-350</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>AF06: 1.050-1.500</td>
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<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>AF405: 2.600-3.500</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>COLOUR</td>
<td>Transparent</td>
<td>Transparent</td>
<td>Transparent</td>
<td>Transparent</td>
<td>Transparent</td>
<td>Transparent</td>
<td>Transparent</td>
</tr>
<tr>
<td>FIXTURE TIME</td>
<td>5 seconds</td>
<td>3 seconds</td>
<td>5 seconds</td>
<td>30 seconds</td>
<td>10 seconds</td>
<td>5 seconds (light cure)</td>
<td>24 hours (dry)</td>
</tr>
<tr>
<td>FINAL STRENGTH (Kg/cm², 24 h)</td>
<td>Mild Steel, PVC 160-180, Leather (Peel) 23-48 Kg/cm</td>
<td>Polycarbonate 80-90, Mild Steel 140-170</td>
<td>Mild Steel Grit-Blasted 150-200, Beech Wood 100-150 (SF)</td>
<td>Mild Steel 90-130, Beech Wood 60-100</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TEMP. RANGE</td>
<td>-20 °C - +80 °C</td>
<td>-20 °C - +80 °C</td>
<td>-20 °C - +80 °C</td>
<td>-20 °C - +150 °C</td>
<td>-20 °C - +80 °C</td>
<td>-20 °C - +80 °C</td>
<td>Do not apply</td>
</tr>
<tr>
<td>GAP FILLING</td>
<td>≤ 0.10 - 0.20 mm</td>
<td>≤ 0,15 mm</td>
<td>≤ 0,20 mm</td>
<td>≤ 0,10 mm</td>
<td>≤ 0,15 mm</td>
<td>≤ 0,15 mm</td>
<td>Do not apply</td>
</tr>
<tr>
<td>OPEN TIME</td>
<td>Up to 2 h depending on viscosity and substrate.</td>
<td>Up to 2 h depending on substrate.</td>
<td>Up to 2 h depending on substrate.</td>
<td>Up to 2 h depending on substrate.</td>
<td>Up to 2 h depending on substrate.</td>
<td>Up to 30 minutes without light exposure.</td>
<td>Do not apply</td>
</tr>
<tr>
<td>SPECIFIC PROPERTIES</td>
<td>• Instant adhesion</td>
<td>• Bonds in 3 seconds</td>
<td>• Bonds in 5 seconds</td>
<td>• Humidity and water resistant</td>
<td>• Dual system: light and shadow cure</td>
<td>• High primer capacity</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• High bonding strength</td>
<td>• Special formula to bond leather</td>
<td>• Impact resistant</td>
<td>• High bonding strength</td>
<td>• High photo-sensitivity</td>
<td>• Non irritant</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Multi-substrate</td>
<td>• High peel strength</td>
<td>• High peel strength</td>
<td>• Multi-substrate</td>
<td>• Dry to touch</td>
<td>• Dries in 24 h</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Non irritant</td>
<td>• Gloss finish</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Low odour and zero blooming</td>
<td>• Transparent</td>
<td></td>
</tr>
<tr>
<td>AVAILABLE FORMATS</td>
<td>20 g, 50 g, 500 g, 20 kg</td>
<td>30 g, 50 g, 500 g, 20 kg</td>
<td>20 g, 50 g, 500 g, 20 kg</td>
<td>20 g, 50 g, 500 g, 20 kg</td>
<td>20 g, 50 g</td>
<td>20 g, 50 g</td>
<td>500 g, 1 kg, 20 kg</td>
</tr>
</tbody>
</table>

(SF) Substrate failure
Our specialty monomers are synthesized through a new-to-the-world innovative industrial method owned by AFINITICA. It was developed to overcome the limitation of the current manufacturing methodology for cyanoacrylates.

This allows us to offer the widest variety of cyanoacrylate monomers, at purity levels always above 99% for all our liquid cyanoacrylates, in the range of 98% purity for our solid monomers and bis-cyanoacrylates, and even medical grade monomers with a 99.5+% of purity.

- **APT-101 Ethyl** Cyanoacrylate
- **APT-104 Isopropyl** Cyanoacrylate
- **APT-103 n-Butyl** Cyanoacrylate
- **APT-102 β-Methoxyethyl** Cyanoacrylate
- **APT-105 2-Octyl** Cyanoacrylate
- **APT-304 2-Ethylhexyl** Cyanoacrylate
- **APT-305 Octadecyl** Cyanoacrylate
- **APT-301 1,6-Hexanodiol** bis-Cyanoacrylate
- **APT-302 β-Ethoxyethyl** Cyanoacrylate
- **APT-303 Tetrahydrofurfuryl** Cyanoacrylate
- **APT-306 3-Cyclohexenyl** Cyanoacrylate
- **APT-307 Phenylethyl** Cyanoacrylate
- **APT-308 Allyl** Cyanoacrylate
- **APT-309 2-Octyl** Cyanoacrylate
- **APT-310 3-Cyclohexenyl** Cyanoacrylate
- **APT-311 Neopentyl** Cyanoacrylate
- **APT-312 1,6-Hexanodiol** bis-Cyanoacrylate
- **APT-313 2-Octyl** Cyanoacrylate
- **APT-314 3-Cyclohexenyl** Cyanoacrylate
- **APT-315 Neopentyl** Cyanoacrylate
- **APT-316 1,6-Hexanodiol** bis-Cyanoacrylate