

# CHEMICALS

## Loctite Adhesive

| Applications   | Code No.  | Loctite Product No. | Colour                  | Viscosity (mPa.s) | Breakloose/ Preval Torque (N.m) | Tensile Shear Strength (N/mm <sup>2</sup> ) | Operating Temperature                  | Key Features  |
|--|---|---------------------|-------------------------|-------------------|---------------------------------|---|--|---|
| Thread Sealing:  | Provides a fluid tight seal for threaded assemblies and piping systems up to 150°C. For use on metal piping material such as carbon steel, cast iron, and stainless steel. Not for use on most thermoplastics, in pure oxygen and/ or an oxygen rich system and as sealants for chlorine or other strong oxidising materials. |                     |                         |                   |                                 |   |  |   |
| Pneumatic/ Hydraulic Connections (Up To M36 Pipe Size)                             | AU00186   | 542                 | Brown                   | 525               | 25/ 11.5                        | –   | Up to 150°C                            | Fast cure. Suitable for Taper/ Straight thread type.  |
| General Purpose Pipe Sealant (Up to M80 Pipe Size)                                 | AU00187   | 545                 | Purple                  | 14,000            | 2 <sup>5</sup> / NA             | –   | Up to 150°C                            | Suitable for Taper/ Taper (NPT) thread type. Low controlled strength for easy disassembly.                                |
| General Purpose Pipe Sealant (Up To M80 Pipe Size)                                 | AU00188   | 565                 | White                   | 300,000           | 5 <sup>6</sup> / NA             | –   | Up to 150°C                            | Instant seal. Suitable for Taper/ Taper (NPT), Taper/ Straight thread type. Low controlled strength for easy disassembly. |
| General Purpose Pipe Sealant (Up To M80 Pipe Size)                                 | AU00389   | 577                 | White                   | 17,000            | 20/ 3                           | –   | Up to 150°C                            | Slow cure, medium strength. Suitable for Taper/ Straight thread type. Low controlled strength for easy disassembly.       |
| Stainless Steel, High Pressure (Up To M80 Pipe Size)                               | AU00389   | 577                 | Yellow                  | 24,000            | 17/ 6                           | –   | Up to 150°C                            | Fast cure. Suitable for taper/ Straight thread type.  |
| Flange Sealing:  | Provides a fluid tight seal between flanged assemblies. Full performance fluid seal capability achieved in 24 to 72 hours.  |                     |                         |                   |                                 |   |  |   |
| For Rigid Structural Close Fitting Flanges (Gap Fill Up To 0.2mm)                  | AU00388   | 509                 | Light Blue              | 65,000            | –                               | 8/ 3  | Up to 150°C                            | Remains Flexible at high temperature. Excellent fluid resistance.   |
| For Rigid Close Fitting Flanges (Gap Fill Up To 0.2mm)                             | AU00183   | 510                 | Red                     | 188               | –                               | 7.5/ 7                                      | Up to 200°C                            | High temperature resistance. Excellent fluid resistance.  |
| General Purpose OEM, and Aluminium Castings (Gap Fill Up To 0.5mm)                 | AU00185   | 518                 | Red                     | 800               | –                               | 8.5/ 8.5                                    | Up to 150°C                            | Excellent fluid resistance. High flexibility.   |
| For Rigid Structural Close Fitting Flanges (Gap Fill Up To 0.2mm)                  | AU  | 573                 | Green                   | 19,000            | –                               | 5/ 1  | Up to 150°C                            | Slow cure for alignment. Excellent fluid resistance.  |
| For Rigid Structural Close Fitting Flanges (Gap Fill Up To 0.5mm)                  | AU00192   | 574                 | Orange                  | 30,000            | –                               | 5/ 8.5                                      | Up to 150°C                            | Fast cure. Ideal for silk screen application.   |
| Oil Resistant RTV Silicones:   | Non-slumping, non-corrosive, low odour and low volatile silicone adhesive/ sealant.   |                     |                         |                   |                                 |   |  |   |
| Oil Resistant RTV Automotive Powertrain (Low Joint Movement) (Gap Fill Up To 6mm)  | AU00390   | Ultra-Grey™ 5699    | Grey                    | Paste             | –                               | 3/ 2  | Up to 200°C                            | Medium modulus, low elongation. Provides an instant seal.   |
| Retaining:   | Bonding cylindrical metallic assemblies (Hub to shaft). Achieving success in bonding dissimilar material requires careful engineering consideration.  |                     |                         |                   |                                 |   |  |   |
| General Purpose (For Radial Clearance <0.1mm)                                      | AU00195   | 603                 | Green                   | 125               | –                               | NA/ 26                                      | Up to 150°C                            | Works on surface insensitive materials, oil tolerant. High strength.  |
| High Temperature, Non-migrating (OEM) (For Radial Clearance <0.1mm)                | AU00197   | 620                 | Green                   | 8,500             | –                               | NA/ 27                                      | Up to 200°C                            | High thermal durability. High strength.   |
| Fast Curing (For Radial Clearance >0.1mm- <0.25mm)                                 | AU00199   | 638                 | Green                   | 2,500             | –                               | NA/ 31                                      | Up to 150°C                            | Fast curing and high strength.  |
| Medium Strength (For Radial Clearance <0.1mm)                                      | AU00391   | 641                 | Yellow                  | 525               | –                               | NA/ 11.5                                    | Up to 150°C                            | Medium strength, low viscosity.   |
| High Strength (For Radial Clearance <0.1mm)  | AU00201   | 648                 | Green                   | 500               | –                               | NA/ 26.5                                    | Up to 175°C                            | High temperature resistance. High strength.   |
| Repair And Maintenance (For Radial Clearance >0.1mm- <0.5mm)                       | AU00202   | 660                 | Grey                    | Paste             | –                               | NA/ 23                                      | Up to 150°C                            | Fast curing. Large gap fill. High strength.   |
| Bonding:   | Single Component, rapid fixturing solvent free cyanoacrylate adhesive which bond to nearly all materials except glass.  |                     |                         |                   |                                 |   |  |   |
| General Purpose. Surface Insensitive. Bond Porous, Acidic And Absorbent Substrates | AU00176<br>AU00178<br>AU00181   | 401<br>406<br>454   | Clear<br>Clear<br>Clear | 100<br>20<br>Gel  | –<br>–<br>–                     | 18.5/ 22<br>18.5/ 22<br>18.5/ 22            | Up to 80°C<br>Up to 80°C<br>Up to 80°C | Rapid fixturing. Bonds well to most plastics and inactive materials.  |
| Low Bloom, Low Odour   | AU00385   | 460                 | Clear                   | 45                | –                               | 17.5/ 18                                    | Up to 80°C                             | Leaves parts cosmetically clean. Eliminates expensive ventilation system.   |
| Toughened  | AU00386   | 480                 | Black                   | 350               | –                               | 18.5/ 26                                    | Up to 100°C                            | Excellent impact and shock resistance. Good thermal resistance.   |
| Thermal Resistant  | AU00378<br>AU00163  | 4210<br>4212        | Black<br>Black          | 200<br>Gel        | –<br>–                          | NA/ 25<br>NA/ 27                            | Up to 120°C<br>Up to 120°C             | Excellent thermal durability. Retains a high percentage of bond strength even after long hours expose of heat.            |
| Bond Multi-Substrates, Especially For Metal  | AU00387   | 496                 | Clear                   | 125               | –                               | 18.5/ 25                                    | Up to 80°C                             | Rapid fixturing, particularly formulated for bonding metal.   |

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|---|----------|---------------------|-------------|-------------------|---------------------------------|---|-----------------------|--|
| Structural Bonding: Surface activated, no-mix anaerobic / acrylic adhesive                                |          |                     |             |                   |                                 |   |                       |  |
| Tough, Flexible   | AU00173  | 324                 | Clear       | 15,000            | –                               | 2.2' / 15                                   | –                     | High impact strength. Good for metals and glass. Fast curing. High strength. Good for metals and glass.  |
| Fast Fixturing  | AU00379  | 326                 | Amber       | 15,000            | –                               | 14 / 19                                     | –                     |  |
| General Purpose   | AU00175  | 330                 | Light Amber | Paste             | –                               | 17 / 22.5                                   | –                     | Flexible, tough, low odour and fast curing.  |
| Structural Bonding: Form high strength, durable bonds between mating surface with no pre-mixing required. |          |                     |             |                   |                                 |   |                       |  |
| Two Part Structural Adhesive (Gap Fill Up To 0.25mm)  |          | 3272A/B             | Yellow (A)  | 22,500A           | –                               | 14 / 18                                     | Up to 120°C           | Excellent tough, impact resistance. Good thermal durability and environmental resistance. Solvent free, fast curing. Good for metals, glass, ferrite and magnets. Extremely flexible, single component gap filling adhesive. Excellent impact resistance. Good for metals, plastics, wood and glass. |
| Single Component Polyurethane   | AU00383  | 3951                | Green (B)   | 22,500B           | –                               | 3 / 2                                       | Up to 80°C            |  |
| Structural Bonding: Ultraviolet dual curing anaerobic / acrylic adhesive (UV, Activator or heat).         |          |                     |             |                   |                                 |   |                       |  |
| Tough, Flexible   | AU00381  | 352                 | Clear       | 20,000            | –                               | 12 / 19                                     | –                     | Dual cure adhesive. Good for metal and glass. High resistance to vibration and impact forces. Dual cure adhesive. Good for metal and glass.  |
| Fast Fixturing  | AU00384  | 366                 | Amber       | 7,000             | –                               | 10 / NA                                     | –                     |  |
| Structural Bonding: Ultraviolet curing solvent free adhesives   |          |                     |             |                   |                                 |   |                       |  |
| General Purpose. UV Cure. (<10 Seconds On Transparent Substrates)   |          | 302                 | Light Amber | 110               | –                               | 10 / 2.5                                    | –                     | Tough, high impact resistance. Ideal for applications with close fitting tolerance. Tough, high impact resistance. Ideal for precision optical instruments. Also suitable for potting and tacking applications.  |
| Clear Glass Bonder. UV Cure. (<10 Seconds On Transparent Substrates)                                      | AU00380  | 349                 | Clear       | 7,000             | –                               | 11 / NA                                     | –                     |  |



## 730 Paint Brush

| Code No. | Size   |       |
|----------|--------|-------|
| AU00207  | 3/4"   | 20mm  |
| AU00208  | 1"     | 25mm  |
| AU00209  | 1-1/2" | 38mm  |
| AU00210  | 2"     | 50mm  |
| AU00211  | 2-1/2" | 65mm  |
| AU00212  | 3"     | 75mm  |
| AU00213  | 4"     | 100mm |



AU00207

## 730 Paint Brush

| Code No. | Size   | Thickness | Length |
|----------|--------|-----------|--------|
| AU00214  | 1/2"   | 13mm      | 11mm   |
| AU00215  | 1"     | 25mm      | 11mm   |
| AU00216  | 1 1/2" | 38mm      | 11mm   |
| AU00217  | 2"     | 50mm      | 12mm   |
| AU00218  | 2 1/2" | 65mm      | 12mm   |
| AU00219  | 3"     | 75mm      | 12mm   |
| AU00220  | 4"     | 100mm     | 13mm   |
| AU00221  | 5"     | 125mm     | 15mm   |
| AU00222  | 6"     | 150mm     | 15mm   |



AU00214

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