

Cat® Adhesives & Sealants



Long-lasting solutions to your bonding challenges.

Count on Caterpillar to provide an extensive line of adhesives and sealants designed to offer long-lasting solutions for a wide range of bonding challenges. You'll find a large selection of products to meet all your specific needs—products that are strong, durable and temperature resistant for superior performance.

Your Cat® Dealer or Cat® Rental Store can offer you a wide variety of competitively priced adhesive and sealant products to meet your specific operational needs, and help you quickly fix problems in the shop or field.

CATERPILLAR®



High-Vibration Adhesive – 308-3506

- Bond wood, metal, glass, most rubbers and plastics
- Fast curing – handling strength in minutes; full strength in 2-4 hours
- Heat resistant to 121° C (250° F)
- High strength; vibration and oil resistant



Quickmetal – 269-1943

- Adheres to metal
- Closes gaps of up to 0.5mm (0.020 in) in diameter on shafts, housings, bearing spinouts, keyways and splines



Thread Lock

- 4C-4030 10ml (.34 fl oz)**
- 9S-3263 50ml (1.69 fl oz)**
- 185-3996 50ml (1.69 fl oz) EAME**

- Use to seal, lock in place and prevent rust lock
- Removable strength
- Service temperature up to 149°C (300°F)
- Medium gap fill, up to 0.13 mm (0.005 in)
- 10-minute fixture – 24-hour full cure time



High-Strength Thread Lock

- 154-9731 10ml (.34 fl oz)**
- 155-0695 50ml (1.69 fl oz)**
- 185-3998 50ml (1.69 fl oz) EAME**

- High strength – permanent
- Service temperature up to 149°C (300°F)
- Medium gap fill, up to 0.15 mm (0.007 in)
- 10-minute fixture – 24-hour full cure time



High-Strength/High-Temperature Retaining Compounds

- 4C-9506 10ml (.34 fl oz)**
- 4C-9507 50ml (1.69 fl oz)**
- 185-3988 50ml (1.69 fl oz) EAME**

- High shear strength – 21 mPa (3000 psi)
- High temperature capacity – 232°C (450°F)
- Large gap fill .38 mm (0.015 in)
- Medium cure speed – cure time 2-4 hours
- Seals/locks in place, augment slip fits on large bolts and studs; lip seals and wear sleeves; pins, gears and pulleys



Bearing Mounts

- 4C-4032 10ml (.34 fl oz)**
- 7M-7456 50ml (1.69 fl oz)**
- 185-3994 50ml (1.69 fl oz) EAME**

- High shear strength – 21 mPa (3000 PSI)
- Service temperature up to 149° (300°F)
- Medium gap fill, up to .13 mm (.005 in)
- Fast cure speed – full cure time 1-2 hours at room temperature



Wicking Sealant – 4C-9509

- Locks and seals fasteners after assembly
- Low viscosity approximately 12 mPa (12 cP's)
- Small gap fill 0.1 mm (.004 in) diametral
- High shear strength 21 mPa (3000 PSI) on steel
- Fast cure time – 1 hour to full cure



Cyanoacrylate Adhesives

- 157-7228 Clear**
- 152-9155 Black**

- Use for instant bonding on mated metal, plastic or rubber parts and assemblies
- Good general-purpose liquid “super glue”
- Fast curing and high strength
- 152-9155 (black) has increased impact resistance
- Gap fill: 0.0762 mm (0.003 in) for clear; 0.15 mm (0.006 in) for black



Cement – 5H-2471 236ml (8 fl oz)

- 185-4591 EAME**

- Bond, seal or patch
- Bond cork, leather, rubber, metal – bond headliners and wall insulation in cabs
- Contains flammable solvent



Epoxy Mixer Cup Kit – 266-3144

- 10 pre-measured mixer packets in each can – each one contains the correct ratio of resin and catalyst
- General purpose, high-strength, bonding and sealing
- Size 41.4 ml (1.4 fl oz)
- Quantity: 10



- Epoxy Adhesive – 143-9508**
Nozzle Mixer – 1143-9509
Applicator – 143-9510
Plunger Replacement – 1143-9511
- Model: 3500 Engines
 - Fast-cure adhesive
 - 30-minute handling strength
 - Size: 48.2 f (1.07 oz)



- Plexus MA 300**
209-0987 50 ml (1.69 fl oz)
- General purpose, semi-flexible adhesive
 - Bonds most unprepared common plastics (ABS, PVC, acrylic)
 - Also bonds fiber-reinforced composites and metals



- Pipe Sealant w/Teflon**
5P-3413 50 ml (1.69 fl oz)
185-3992 EAME
- Very low shear strength; large gap fill
 - Service temperature up to 149°C (300°F)
 - Very slow cure speed
 - Seal and lock tapered pipe plugs, nipples and fittings



- Quick Cure Primer**
169-5464 133 ml (45 fl oz)
185-4004 EAME 133 ml (45 fl oz)
- Removes grease and oil from surface
 - Reduces cure time on anaerobic sealants and adhesives such as thread lock, retaining compound and bearing mount
 - Convenient aerosol application
 - Single-component, non-CFC solvent-based surface activator
 - Use when temperature is below 15°C (59° F)



- RTV Silicone Adhesive Sealant**
141-5830 Black 205g (7.25 oz)
141-5831 Blue 205g (7.25 oz)
- Excellent weather resistance and extreme flexibility
 - Resistant to most chemicals, solvents and oils – blue only, not black
 - Works for electrical insulating applications – blue only, not black
 - Low odor, non-corrosive sealant – blue only, not black
 - Will not harm oxygen sensors – blue only, not black



- Gasket Maker**
6V-6640 50 ml (1.69 fl oz) – 185-3985 EAME
- Medium strength for rigid flanges where extra shear strength is desired
 - Service temperature up to 175°C (350°F)
 - Large gap fill, up to .5 mm (.020 in)
 - Fast cure speeds



- Gasket Compound #1 – 4C-9501**
- Dries hard, machinable
 - Resists gasoline, diesel fuels, oils, antifreeze, alkali, acids, steam
 - Withstands pressure to 34474 kPa (5000 PSI)
 - Withstands temperature to 204°C (400°F)
 - Size: 85 g (3 oz) tube; Quantity: 12



- Gasket Compound #2 – 4C-9502**
- Non-hardening; thick, pasty
 - Seals joints in segmented gaskets and "T" joints
 - Withstands pressure to 34474 kPa (5000 PSI)
 - Withstands temperature to 204°C (400°F)
 - Size: 85 g (3 oz) tube; Quantity: 12



- Gasket Compound #3 – 4C-9505**
- Thin, brushable, for sealing finely machined surfaces
 - Seals many types of gear type pumps; seals rubber hose to nipple connections
 - Withstands pressure to 34474 kPa (5000 PSI)
 - Withstands temperature to 204°C (400°F)
 - Size 120 m (4 fl oz) can; Quantity: 12



- Flexible Gasket Makers**
1U-8846 50 ml (1.69 fl oz) – 185-3983 EAME
4C-5300 300 ml (10.3 fl oz) – 185-3984 EAME
- Moderate strength for thin flexible flanges
 - Service temperature up to 177°C (350°F)
 - Large gap fill, up to 5 mm (.020 in)
 - Fast cure speed
 - Uses: Original equipment gasket for many applications; seals and locks
 - Tapered pipe plugs, nipples and fittings; some final drive flanges



Liquid Gasket

9U-5839 118 ml (4 fl oz)
138-8436 236 ml (8 fl oz) – 185-4590 EAME

- For use on 3176 engine
- Permanently flexible
- Seals up to .08 mm (.003 in)
- Temperature resistant to 149°C (300°F)
- Will not cause corrosion on aluminum parts
- Contains acetone (highly flammable); does not contain chlorine



RTV Silicone Adhesive/Sealants

Standard Cure for Most Applications

8T-9022/185-3987 EAME 300 ml (10.15 fl oz)
8T-9014/205-8858 EAME 300 ml (10.15 fl oz)
3S-6532/185-3986 EAME 82.8 ml (3 fl oz)

High-Temperature Adhesive Sealant

8T-9013/205-8857 EAME 300 ml (10.15 fl oz)
4C-9614 82.8 ml (3 fl oz)

Electronic Application

8T-0065/186-1527 EAME 82.8 ml (3 fl oz)

Sensor Safe RTV

4C-9612 82.8 ml (3 fl oz)

Glass-to-Glass Bonding

119-0781 300 ml. (10.15 fl oz)

- General-purpose bonding and sealing applications
- Resists cracking, shrinking and migration
- Excellent temperature range
- Can be used for some low-pressure gasketing applications
- Minimum temperature of -73°C (-100°F)



Window Bonding Adhesives & Tooling

To reseal windows with weather strip:

9U-6919 Butyl Sealant 50 ft. roll

To bond windows to full cure in 2 hours:

121-3911/187-4858 EAME Window Primer 250 ml (8.5 oz)
175-2934/187-4864 Activator 250 ml (8.5 oz)
175-2935/187-4857 EAME Fast Cure Window Adhesive and Booster 310 ml (10.5 oz)

To bond large windows:

121-3911/187-4858 EAME Window Primer 250 ml (8.5 oz)
121-3908/187-4856 EAME Window Adhesive 310 ml (10.5 oz)

Seal glass-to-glass joints:

119-0781 Clear Silicone Adhesive 300 ml (10.2 oz)

Primer for ABS plastic – 166-1359/187-4862 EAME

Window Tool Kit

121-9777 Cutout Wire
121-9780 Handles for Cutout Wire
121-9778 Cutout Knife
121-9779 Replacement Blades for 121-9778
121-9781 Heavy Duty Caulking Gun
127-6883 Sponge Brushes



CAT® DEALERS DEFINE WORLD-CLASS PRODUCT SUPPORT.

We offer you the right parts and service solutions, when and where you need them.

The Cat Dealer network of highly trained experts can help you maximize your equipment investment.

