

# 3. INDUSTRIAL ADHESIVES

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**LOCTITE**



**CRE**

**3M**

**Sikaflex**

## >>> Fixation

**LOCTITE**

### Thread fixing

At www.rodavigo.net

Family: Industrial Adhesives  
Product: Loctite Material

- ✦ Vibration resistance.
- ✦ Monocomponents: clean and easy to apply.
- ✦ Can be used on screws of all sizes - reduces inventory costs.
- ✦ Allows sealing of threaded through holes.

#### Practical suggestions:

Clean the pieces with loctite 7063 before applying the adhesive.

If the threadlocker is to be applied below 5°C, pretreat with Loctite 7240 (activist) = If the thread sealer is to be applied below 5°C, pretreat with Loctite 7240 (activator).

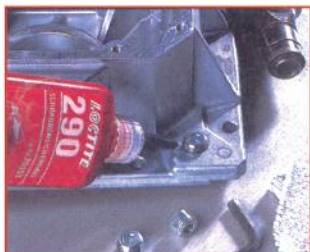
If the parts have been in contact with aqueous washing solutions or cutting lubricants that leave a protective layer on the surface, wash them with hot water before application.

Use Loctite\*406 if any of the substrates are made of plastic.



Reference	Assembled parts penetrating		low resistance		Parts not assembled medium resistance		high resistance	
	Code	Capacity	Code	Capacity	Code	Capacity	Code	Capacity
	290		222		243		2701 (270 = improved)	
Thread size	until M12		until M36		until M36		until M20	
Resistance	half/high		low		half		high	
Functional Resistance <sup>1</sup>	3 hours		6 hours		2 hours		6 hours	
Screw breaking torque M10	10Nm		6Nm		20Nm		38Nm	
Long-lasting thermal resistance	+150°C		+150°C		+150°C		+150°C	
Packaging	50ml, 250ml		50ml, 250ml		10ml, 50ml, 250ml		250ml	
1-Typical value at 22°C								
	14129050	50 ml	14122250	50 ml	14124310	10 ml	1412701250	250 ml
	141290250	250 ml	141222250	250 ml	14124350	50 ml		
					141243250	250 ml		

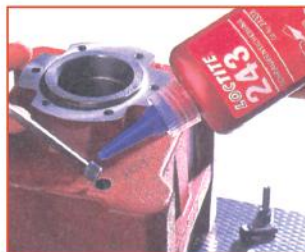
#### Application examples:



**Loctite® 290**  
Recommended for fixing pre-assembled screws, for example instrument screws, electrical connectors, and fixing screws.



**Loctite® 222**  
Recommended for the fixing of low strength of non metal ferrous, for fixing screws adjustment, head screws hazel and prisoners; in rings, pulleys, tool handles and tuning tools.  
Use also in low metals resistance like aluminum or brass that could break during the disassembly.  
P1 NSF Reg.No.:123002



**Loctite® 243**  
Effective on all types of hardware metallic. Avoid loosening by vibration in mounting screws motors or pumps, gearboxes or presses.  
Recommended when maintenance requires disassembling with hand tools and when the pieces are slightly contaminated with oils.  
P1 NSF Reg.No.: 123000  
Certified according to ANSI/NSF Standard 61



**Loctite® 2701 (270 = improved)**  
For all types of metal thyme steel (including those of stainless steel and those with coatings protectors like zinc) where the maintenance does not require a regular disassembly.  
Recommended for permanent fixing of studs on motor blocks and pump bodies.  
P1 NSF Reg.No.:123006  
Only Loctite 270



#### Fixing / acrylic sealants

With the important changes that technology brings us, a new generation of organic copolymer sealers is born that allows us to seal both interiors and exteriors with excellent results.

Among its innumerable contributions, it should be noted that they are paintable and can be perfectly cleaned with water (while the product stays cool).

#### Universal sealant

New generation, flexible, paintable and versatile sealant that does not blacken. Good adhesion on all kinds of materials (wood, PVC, aluminum, etc.) Especially designed for kitchens and bathrooms as well as doors and windows of wood.

Code <sup>1)</sup>	Capacity	Finish
	ml	
14450213	290	Transparent
14450223	290	Oak
14450233	290	Pine
14450243	290	Sapelli
14450253	290	White



#### SK Acrylic Putty

One-component acrylic dispersion. Good stability Thermal (-20°C + 80°C) and resistance to UV rays. Low module of elasticity. Good adhesion on most of the materials. Paintable.

Code <sup>1)</sup>	Capacity	Finish
	ml	
14462603	300	Gray
14450313	300	Brown
14450323	300	White



#### Putty to fix Interiors

Sealant based on new generation polymers, which provides great application comfort in fixing interior decoration elements: skirting boards, borders, cornices, etc. When fresh, it is cleaned with water.

Code <sup>1)</sup>	Capacity	Finish
	ml	
14450293	290	White



1) Possibilities of price and supply, on request.

### Technical stickers

#### Screw Fixers

Anaerobic adhesive for fixing screw connections (screws, nuts, studs) in many applications: automobile, bikes, kitchen utensils, etc. Shock and vibration resistant.

Code	Capacity
	g
14455222	50



#### Fast epoxy

Super powerful two-component epoxy adhesive. Suitable for gluing of most materials. The union of adhesive is very hard, watertight and unalterable, resistant to water, heat and solvents.

Code	Capacity
	g
14461071	10+10



#### Repair wood

Putty based on epoxy resin to rebuild the woods deteriorated or decayed. The fresh putty is modelable. Once hardened (30 min.) It can be polished, drilled, paint, etc.

Code	Capacity
	g
14461191	20



#### Putty to fix

Super powerful neoprene putty. Allows fixing of the most construction materials: tiles, baseboards, switch boxes, chipboards, plywood, etc.

Code	Capacity
	ml
14461271	55



>>> Greases



Lubrication - greases

At www.rodavigo.net Family: Industrial Adhesives  
Product: Loctite Material

- Prevention of seizures and abrasions due to friction during assembly and functioning
- Inhibition of corrosion and oxidation in chemically and thermally aggressive environments.
- Resistant to high temperatures and high loads.

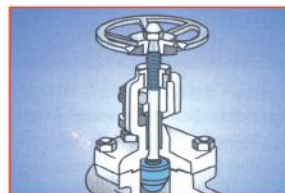


Reference	Greases Products
	<b>8105</b>
Appearance	White paste
Base oil and additives	Mineral
Viscosity	Paste
Thickener	-
Drop point	-
N.L.G.I.	2
Speed characteristics DN factor	-
Temperature range	-30°C to +130°C
Load test 4 Balls N	N.A.
<b>Code</b>	<b>Capacity</b>
1418105400	400g

Application examples:



Loctite® 8105  
Food grade grease.  
Multipurpose.  
White mineral grease for bearings, covers, open gears and sliding guides..



Loctite® 8104  
Food grade silicone grease.  
Recommended for lubrication of elastomeric and plastic parts.  
Approval by the food industry.  
Complies CNERNA guide 1992  
H1nsfreg.No.: 122981 Home

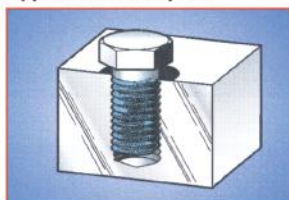
Lubrication-anti-seize

- Prevents stiffness and friction corrosion during assembly and operation.
- Inhibit corrosion and oxidation in environments with chemicals and aggressive temperatures
- Prevent wear and cold welding during assembly and operation.



Reference	Anti-seize paste Food classification
	<b>8014</b>
Appearance	White paste
Solid lubricating agent	Mineral
Torque coefficient	-
N.L.G.I.	1
Temperature range	-30 to +400°C
Packaging	907g
<b>Code</b>	<b>Capacity</b>
1418014907	907 g

Application examples:



Loctite® 8014  
Food grade anti-seize-Can with applicator brush.  
White, metal-free anti-seize paste.  
For use on stainless steel parts used in the manufacture or processing of food and packaging.



Loctite® 8007 C5-A®-Aerosol  
Loctite® 8008 C5-A® - Application with brush general use anti-seize that protects metal parts against corrosion, and seizures, and ensures easy disassembly.



Loctite® 8013 N7000  
Anti-seize with brush.  
Anti-seize paste of high purity and with excellent chemical resistance. Recommended for use in power generation plants, including nuclear ones.

in steel, screws and nuts



# INDUSTRIAL ADHESIVES

**LOCTITE**

## >>> Greases

At [www.rodavigo.net](http://www.rodavigo.net) Family: Industrial Adhesives  
Product: Loctite Material

approved for the food industry

Chains, gears

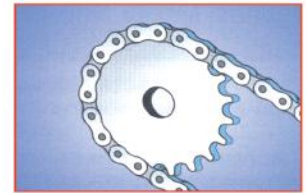
8104	8105	8103	8101
Colorless soft paste	White	Black soft paste	Sticky amber paste
Silicone	Mineral	Mineral E.P. MoS2	Synthetic E.P.
Paste	Paste	Paste	Paste
Silica gel	Inorganic gel	Lithium soap	Lithium soap
-	N.A.	>190°C	>190°C
2/3	2	2	2
50.000	150.000	500.000	N.A.
-50° to +200°C	-50° to +150°C	-20° to +150°C	-25° to +170°C
N.A.	1600	3500	3150
1L tin	400g - 1L tin	1L tin	400 ml spray
Code	Code	Code	Code
Capacity	Capacity	Capacity	Capacity
14181041	1418105400	14181031	1418101400
1L	400g	1L	400ml



**Loctite® 8105**  
Food grade mineral grease.  
Lubricant for moving parts.  
Recommended for use in equipment for the food and pharmaceutical industries.  
Especially suitable for bearings, camshafts, valves and conveyors for food and pharmaceutical products.  
H1 NSF Reg.No.: 122979

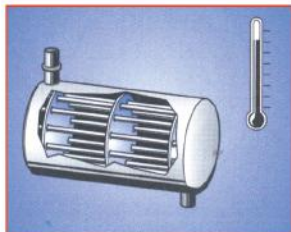


**Loctite® 8103**  
MoS2 grease  
Withstands heavy loads and vibration to all speeds.  
Typically used in cylindrical-tapered roller bearings, plain bearings..



**Loctite® 8101**  
Chain lubricant.  
Waterproof.  
Chain lubricant with anti-mold properties.  
Use in open mechanisms like chains and gears.

Copper base up to 980°C	General use up to 1300°C		Mounting paste
8007 / 8008	8013	8009	8154
Copper paste	Dark gray paste	Black pasta	Black
Copper	Mineral	Mining / Graphite	MoS2
0,16	0,16	0,16	N.A.
-	1	1	N.A.
up to 980°C	-30° to +1300°C	-50° to +1100°C	-35° to +450°C
400 ml spray, 454g tin	454g	454g	400 ml spray
Code	Code	Code	Code
Capacity	Capacity	Capacity	Capacity
1418007400	1418013454	1418009454	1418154400
400g	454g	454g	400ml
1418008454			
454g			



**Loctite 8009**  
High performance  
Anti-seize with brush.  
Anti-seize without goal. Provides long-term lubrication in all metals.  
Widely used in petrochemical plants and there where the anti-seize based copper cannot be used.



**Loctite 8154**  
Paste sprayer with MoS2  
Lubricates and seals cylindrical parts, bearings, wheels, gears, keyed shafts etc.  
Prevents seizure. This spray protects the components during operation. The MoS2  
Can provide lubrication in case of emergency.  
H2 NSF Reg.No.: 122982





>>> Greases



Calcium and lithic greases

At www.rodavigo.net

Family: Industrial Adhesives  
Product: Krafft Material

Function

Is used where an oil cannot be used, by water, dust, moisture, sealing, adhesion or design. Greases are made up of soap, oil and additives. The structure of the grease, resistance to water, temperature and mechanical stress depend on soap (calcium, lithium). From oil, lubricating power, adherence. Of the additives, their behavior against oxidation, corrosion, capacity to withstand loads.

Characteristics

> Consistency (NLGI)/ Penetration (ASTM)  
It is the measure of the hardness of greases. The higher penetration (ASTM), the lower hardness and the lower its consistency (NLGI). The NLGI 2 consistency, for example, has an ASTM penetration of 265-295 ( 1/10 mm).

> Drop point  
It is the temperature at which the greases go from a semi-solid state to the liquid (Calcium: 80°-90°C; Lithic 190°C).

> Maximum serving temperature  
It is the one that can withstand continuous work (Calcics: 60°-65°C; Lithic 130°C).

> Freezing point  
Temperature at which the greases stop flowing.

> Waterproof  
Determines the stability of greases on impact with water.

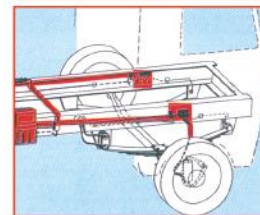
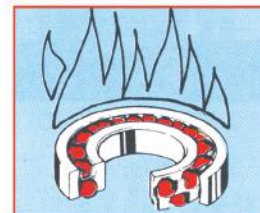
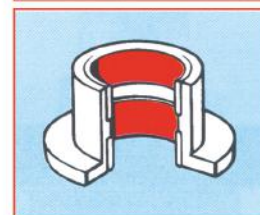
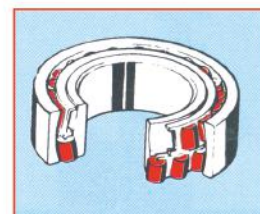
> Speed factor (DXN)  
Average bearing diameter (mm) x its speed (r.p.m.) This value guides us regarding the grease to select.

> Stability at work  
It is the resistance power of greases to the loss of their consistency and structure. It guides us on its duration in service.


> Corrosion resistance  
Greases should protect you as best as possible in the presence of water, moisture, and external agents.

>> How to use  
Easily pumpable in all types of mechanisms fitted with TECALEMIT, STAUFER...  
Not fill the bearings more than half of their capacity ( up to 1/3 in bearings exposed to high temperature and 100% for those rotating slow).


Fill the bearings until the previous grease is expelled. Greases are compatible with those of their own nature (Lithium-Lithium; Calcium-Calcium...).




Code	Capacity kg	KI. General lubrication lithium grease (bearings, joints, guides, wheel hubs (T <130°C). Temp. of service: -30° to + 130°C. NLGI2 consistency. Resistance to water and corrosion. Speed factor (DN) = 400,000
14415400	0,2	
14415433	0,4	
14415402	2	
14415405	5	
14415407	20	
14415408	50	




Code	Capacity kg	KCS (A). Calcium grease for "lost" greasing (joints, leaf springs, chassis, fifth wheel, bushings ...) Temp. of service: (A) -10° to + 65°C. Very resistant to water, oxidation and corrosion.
14415452	A 2	
14415455	A 5	
14415457	A 20	
14415458	A 50	
14415450	A 185	



Code	Capacity kg	MOLYKOTE BR-2 PLUS. Lithium + Mos2 grease, generally applicable to bearings, guides, splined shafts, wheel hubs (T <130°C). Excellent properties (EP) and anti-corrosion. Temp. of service: -30° to + 130°C. NLGI2 consistency. Speed factor (DxN) = 400,000
14442202	0,1	
14442203	0,4	
14442204	1	
14442205	5	
14442207	20	



Code	Capacity kg	COMPLEX 20. Lithium complex grease, special for high temperature. Usable in bearings, wheel hubs, TIR trucks, electric brakes and other mechanics. Temp. of service: -20° to + 180°C. Very good behavior in water. Excellent power anti-wear. Speed factor (DN) = 400,000.
14456235	5	
14456237	20	
14456238	50	







## >>> Greases

At [www.rodavigo.net](http://www.rodavigo.net) Family: Industrial Adhesives  
Product: Krafft Material

Lubricants

### Function

MOLYKOTE G-n Plus and G.RAPID Plus applied on metal surfaces, previously degreased, form a film lubricant that reduces rubbing, prevents metal-to-metal contact (seizing, preheating), protects against wear and provide emergency lubrication. This film has the compression resistance similar to that of all metals known and has excellent resistance to aging and temperature.

MOLYKOTE 7439 It is an anti-seize, very adherent paste, formulated for use in mechanisms subjected to high temperatures, strong pressures and corrosive agents. It does not contain lead and does not produce toxic vapors.

HAMMER GREASE It is a paste specially developed for the lubrication and maintenance of tools and elements percussion on all types of hydraulic breakers.

### Benefits

- Reduce friction, wear and stick-slip movement.
- Avoid metal-to-metal contact, delaying the appearance of corrosion.
- Provide excellent behavior against oxidation, seizure and blocking in the presence of cold water and hot, steam (MOLYKOTE 7439).
- Allow easy disassembly even after a long period of operation.
- Have a high load capacity (MOLYKOTE G-n Plus, G.RAPID Plus and 7439: 20,000N in the ALMEN WIELAND test; HAMMER GREASE: 600KG, in the 4-ball test).
- Excellent covering power (m<sup>2</sup> / kg).
- MOLYKOTE G.RAPID Plus does not need rubbing and provides an extremely low coefficient of friction -0.04-
- MOLYKOTE 7439 provides excellent performance in a salty environment.
- Great grip MOLYKOTE 7439 and HAMMER GREASE.
- HAMMER GREASE does not drain and provides longer regreasing periods and longer tool life.

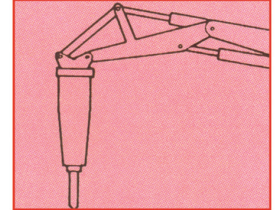
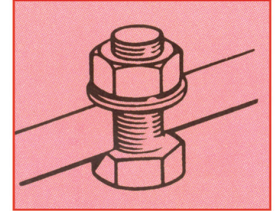
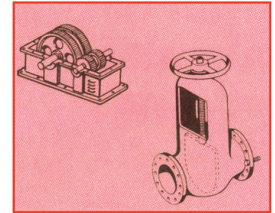
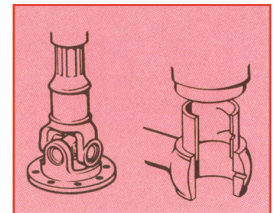
### How to use

MOLYKOTE G-n Plus. A thin film is sufficient. Excess product should be avoided. Never use as if it were a grease. Apply the paste by rubbing, with a brush, rag ... It is advantageous to apply it mechanically by means of an appropriate device (rotating brush ..).

MOLYKOTE G.RAPID Plus. Supplied in aerosol. For fast and clean applications on parts with complicated shapes, wide surfaces and inaccessible points (holes, threads, gears under crankcase ..).

MOLYKOTE 7439. It is applied by means of a brush to the elements to be lubricated, which must be clean and dry.

HAMMER GREASE. It can be applied with a manual grease pump or a centralized system. You should not fully fill the hammer.



Code	Capacity		Code	Capacity	
	g	MOLYKOTE G-n Plus. Universal mounting paste with a high content of solid lubricants (MoS2) For use in assembly, shooting of bearings, gears, press couplings, splined shafts ... Temp. of service: -25 to + 250°C. Density: 1.4. Covering power: 40m <sup>2</sup> / kg. Coefficientfriction: 0.09.		ml	MOLYKOTE G-RAPID Plus. MoS2 paste for sliders, spindles, splined shafts, valves, (even with a great surface finish). Temp. from service: -35° to + 250°C Density: 1,42. Power covering: 32m <sup>2</sup> / kg. Friction coefficient: 0.04.
14481211	100		14481223	400	
14440104 <sup>1)</sup>	1000				



Code	Capacity		Code	Capacity	
	1 Kg	MOLYKOTE 7439. Copper-based anti-seize paste for points that must be protected from water, steam and contact corrosion: screws subject to high temperature or corrosion cams and shafts brake, rear of disc brake pad in contact with the cylinder, tube couplings exhaust. Temp. of service: -30° to + 300°C, even + 650°C) . Density: 0.9.		Kg	HAMMER GREASE. Complex colored paste dark metallic, based on solid lubricants anti-seize specials. For greasing hydraulic breakers in O.P., mining, mining works demolition. NLGI 1-2 consistency. Drop point: 230°C.
14440144	400 ml		14451353	0,400	
14481233		14451355	5		





## >>> Joints

**LOCTITE**

### Flange sealing

At www.rodavigo.net Family: Industrial Adhesives  
Product: Loctite Material

- ✦ No need for adjusting wedges: controlled tolerances, no retightening is necessary.
- ✦ Fill all cavities: reduce the need for a fine surface finish of the flanges.
- ✦ Parts can be easily disassembled even after long time in service.
- ✦ Once fully, they withstand high pressures.



Application examples:

Reference	518
Joint type	Formed insitu
Flange type	Stiff
Curing method	Anaerobic
Dry time to touch	N.A.
Temperature resistance	150°C
Instant sealing	Excellent
Oil resistance	Excellent
Water / glycol resistance	Excellent
Packaging	50, 300ml
Code	Capacity (ml.)
14151850	50
141518300	300



**Loctite® 518**  
Recommended for use in aluminum flanges with faces rigid iron-steel.  
P1 NSF Reg.No.: 123758  
Certified according to ANSI/NSF Standard 61.

### Practical suggestions

- If there are traces of the old gasket on the parts to be sealed, clean them with the Loctite 7200 gasket remover.
- All parts must be clean and dry before sealing; use Loctite 7063.
- Anaerobic products cure between metal surfaces in the absence of air.

### Instant bonding

- ✦ Heal in seconds.
- ✦ Clear line of union: better aesthetic appearance.
- ✦ Very versatile: can join incompatible materials.
- ✦ High resistance: often they get a stronger bond than the materials united.
- ✦ United of small pieces.



### Practical suggestions

- To improve the adhesion of materials that are difficult to bond, for ex. PE, PP, PTFE, Santoprene or thermoplastic rubbers; in combination with Loctite 8, 401, 406, 431, 454, 480 - use Loctite 7239 primer.

### Application examples:



**Loctite® 406**  
Quick bonding of rubbers (included EPDM), plastics and elastomers. It is used to join difficult plastics adhere when used with the Loctite 7234 primer.



**Loctite® 454**  
General purpose gel adhesive for join metals, composites, wood, cork, foam, leather, cardboard, paper, plaster and non-vitreous ceramics. Recommended for vertical surfaces or ceilings.



**Loctite® 480**  
Black product reinforced with rubber for joining metals and metal with rubber; especially suitable in applications where require high peel strength and / or in which there are loads of

Reference	406
Operating temperature	Until 80°C
Fixing time 1)	10-20 sec.
Viscosity mPa.s	20
Special for	Plastics
Packaging in grams	20, 50, 100, 500
1-In steel	Code Capacity (g.)
	14140620 20
	14140650 50
	141406100 100
	141406500 500



At [www.rodavigo.net](http://www.rodavigo.net) Family: Industrial Adhesives  
Product: Loctite Material

No existing gasket required as adjusting wedge  
Other metals (Sealant clearance up to 0.5 mm)

Plastic or plastic-metal parts  
(Sealant clearance greater than 0.5mm)

510	
Formed in situ	
Stiff	
Anaerobic	
N.A.	
Up to 200°C	
Excellent	
Excellent	
Excellent	
50, 250ml	
Code	Capacity (ml.)
14151050	50
141510250	250

5910	
Formed in situ	
Flexible	
Humidity	
20 min.	
200°C	
Excellent	
Excellent	
Moderate	
50, 300ml	
Code	Capacity (ml.)
141591050	50
1415910300	300

5699	
Formed in situ	
Flexible	
Humidity	
10 min	
200°C	
Excellent	
Good	
Excellent	
99, 300 ml	
Code	Capacity (ml.)
141569999	99
141569300	300



**Loctite® 510**  
Recommended for sealing rigid flanges on pumps, couplings, gearboxes and motor housings. It is thixotropic; can be applied to vertical surfaces without stand out.



**Loctite® 5910**  
To replace pre-cut cork or paper gaskets on flanges and stamped metal caps. Recommended to use where there is high vibration or flexion. It can be used



**Loctite® 5699**  
Recommended to seal everything type of flanges even of stamping when required water / glycol resistance. P1 NSF Reg.No.: 122998

Clearance > 0.1mm		For impact or peeling loads		For flexible materials							
454		480		4850		4062		401		431	
Up to 80°C		Up to 100°C		Up to 70°C		Up to 80°C		Up to 80°C		Up to 80°C	
5-20 sec.		6-120 sec.		5-20 sec.		3-20 sec.		5-20 sec.		5-20 sec.	
Gel		300		400		2		110		100	
Porous substrates		Metal / Plastics		Flexible substrates		Metal / Plastics		Porous substrates		Porous substrates	
3, 20, 300		20, 50, 500		5, 20		20, 500		3, 5, 20, 50, 100, 500		20, 500	
Code	Capacity (g.)	Code	Capacity (g.)	Code	Capacity (g.)	Code	Capacity (g.)	Code	Capacity (g.)	Code	Capacity (g.)
141454BL3	3	14148020	20	141480505	5	141480505	5	1414013	3	14143120	20
14145420	20	14148050	50	141485020	20	141485020	20	141401BL5	5	141431500	500
141454300	300	141480500	500					14140120	20		
								14140150	50		
								141401100	100		
								141401500	500		



**Loctite® 4850**  
Flexible instant adhesive  
Medium viscosity adhesive, fast curing, transparent. Specially designed for the assembly and repair of materials and flexible components. Typical applications: gluing of materials used in the manufacture and repair of gaskets and seals



**Loctite® 4062**  
Ideal for very fast adhesion plastics, rubber and metals.



**Loctite® 401**  
General use product for unite most of the materials like plastics rubber, metals, cardboard, wood.  
P1 NSF Reg.No.: 123011



**Loctite® 431**  
Particularly indicated for adhesion of porous materials or absorbents like wood, paper, leather, cardboard and fabrics.







>>> **Joints**



Repair

At www.rodavigo.net Family: Industrial Adhesives  
Product: Krafft Material

<table border="1"> <thead> <tr> <th>Code</th> <th>Capacity</th> </tr> </thead> <tbody> <tr> <td></td> <td>g</td> </tr> <tr> <td>14412282</td> <td>80</td> </tr> </tbody> </table> <p><b>GASKET CEMENT:</b> Cementum for threaded gaskets and to assist in flat joints.</p> 	Code	Capacity		g	14412282	80	<table border="1"> <thead> <tr> <th>Code</th> <th>Capacity</th> </tr> </thead> <tbody> <tr> <td></td> <td>g</td> </tr> <tr> <td>14412293</td> <td>250</td> </tr> </tbody> </table> <p><b>GASKET CEMENT with brush.</b> Sealant for retention. Remains flexible after application without cracking. Air drying.</p> 	Code	Capacity		g	14412293	250		
Code	Capacity														
	g														
14412282	80														
Code	Capacity														
	g														
14412293	250														
<table border="1"> <thead> <tr> <th>Code</th> <th>Capacity</th> </tr> </thead> <tbody> <tr> <td></td> <td>g</td> </tr> <tr> <td>14412202</td> <td>80</td> </tr> <tr> <td>14412203</td> <td>200</td> </tr> </tbody> </table> <p><b>LOCK PLUS.</b> Plastic gasket that forms by itself a perfect closure. Usable from -30° to 120°C. For flat and threaded joints.</p> 	Code	Capacity		g	14412202	80	14412203	200	<p><b>SEALANT FOR EXHAUST PIPES.</b> Hermetic special for sealing exhaust pipe connections, facilitating the assembly and subsequent disassembly. It eliminates the leaks. Very high temperature resistance.</p> <table border="1"> <thead> <tr> <th>Code</th> <th>Capacity</th> </tr> </thead> <tbody> <tr> <td></td> <td>g</td> </tr> <tr> <td>14412232</td> <td>100</td> </tr> </tbody> </table> 	Code	Capacity		g	14412232	100
Code	Capacity														
	g														
14412202	80														
14412203	200														
Code	Capacity														
	g														
14412232	100														

>>> **Cleaning**



Cleaning

At www.rodavigo.net Family: Industrial Adhesives  
Product: Loctite Material

	Hand cleaner	Hand cleaner	Parts / Surface Cleaner																		
	For ink, paint and resin in the hands	Multipurpose	Cleaner electrical contacts																		
Reference	7855	7850	7039																		
Description	Hand cleaner	Hand cleaner	Spray contact cleaner																		
Packaging	400 ml bottle, 1.75 L dosing container	400 ml bottle, 3 L dosing container 10 liters	400 ml spray																		
	<table border="1"> <thead> <tr> <th>Code</th> <th>Capacity</th> </tr> </thead> <tbody> <tr> <td>1417855400</td> <td>400 ml</td> </tr> <tr> <td>1417855175</td> <td>1,75 L</td> </tr> </tbody> </table>	Code	Capacity	1417855400	400 ml	1417855175	1,75 L	<table border="1"> <thead> <tr> <th>Code</th> <th>Capacity</th> </tr> </thead> <tbody> <tr> <td>1417850400</td> <td>400 ml</td> </tr> <tr> <td>14178503</td> <td>3 L</td> </tr> <tr> <td>141785010</td> <td>10 L</td> </tr> </tbody> </table>	Code	Capacity	1417850400	400 ml	14178503	3 L	141785010	10 L	<table border="1"> <thead> <tr> <th>Code</th> <th>Capacity</th> </tr> </thead> <tbody> <tr> <td>1417039400</td> <td>400 ml</td> </tr> </tbody> </table>	Code	Capacity	1417039400	400 ml
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1417855175	1,75 L																				
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1417850400	400 ml																				
14178503	3 L																				
141785010	10 L																				
Code	Capacity																				
1417039400	400 ml																				

Application examples:



**Loctite® 7855**  
Hand cleaner for paints and resins. Removes paints, resins and adhesives. Biodegradable and not toxic.



**Loctite® 7850**  
Hand cleaner. Natural hand cleaner based on citrus extracts and exempt from mineral oils. Biodegradable. It contains skin conditioners. Works with or without water. Removes embedded dirt, grease and oil.



**Loctite® 7039**  
Contact cleaner. It does not affect insulating varnishes. For cleaning electrical contacts, relays, connectors etc. It displaces moisture and forms a water-repellent film.



At [www.rodavigo.net](http://www.rodavigo.net) Family: Industrial Adhesives  
Product: Loctite Material

- Clean components before applying Henkel Loctite adhesives / sealants.
- Clean and degrease work surfaces and parts.
- Remove traces of cured sealant.
- The subsection of hand cleaning products includes two highly effective, gentle and biodegradable cleaners.



Parts / Surface Cleaner

Removes cured adhesive

Reference **7200**

Joint remover  
400 ml spray

Code	Capacity
1417200400	400 ml

Parts / Surface Cleaner

Cleaner pieces in general

Reference **7063**

Cleaner and degreaser  
400 ml spray  
10 L tin

Code	Capacity
1417063400	400 ml
141706310	10 L

Parts / Surface Cleaner

Cleaner U.PVC pipe.

Reference **7044**

PVC cleaner  
1 L

Code	Capacity
14170441	1 L

Big surfaces, work surfaces

Reference **7840\***

Cleaner and degreaser  
750 ml dosing container  
5 L drum

Code	Capacity
1417840750	750 ml
14178405	5 L

\* For best results, clean the parts beforehand with Loctite 7063



**Loctite® 7200**  
Joint remover  
Removes cured joint sealants and traditional boards of the majority of surfaces in 10-15 minutes without need to scrape and sand.



**Loctite® 7063**  
Cleaner and degreaser  
General surface cleaner it leaves no residue. Ideal to use before applying a adhesive or sealant. Compatible with metal, glass, rubber, the most plastics and surfaces painted.



**Loctite® 7044**  
PVC pipe cleaner  
It is an organic solvent, without CFC, designed for cleaning and degreasing surfaces of U-PVC pipes before glue them with Loctite 5004.



**Loctite® 7840**  
Biodegradable, solvent-free, non-toxic and non-flammable, can be diluted in water. USFA-C1 category. Removes grease, oil, cutting fluids and embedded dirt.



## >>> Lubrication

### Surface treatment and corrosion prevention

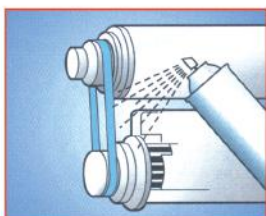
At www.rodavigo.net Family: Industrial Adhesives  
Product: Loctite Material

- Stabilize the existing oxide.
- Protect against corrosion.
- Prevent electrochemical corrosion.
- Increase the friction of the straps.

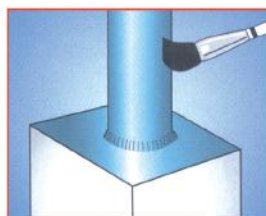


Reference	Covering of straps	Treatment antioxidant	Corrosion protection		Multipurpose no drying
	8005	7505	7800 7922	7803	
Description	Liquid spray	Anti-rust	Zinc spray		Protective metal coating
Colour	Amber	Matte blanc	Gray		Amber
Temperature range	-30° to +250°C	N.A	-50° to +550°C		-10° to +40°C
Packaging	400 ml spray	90 ml	400 ml spray		400 ml spray
	<u>Code</u> <u>Capacity</u>	<u>Code</u> <u>Capacity</u>	<u>Code</u> <u>Capacity</u>	<u>Code</u> <u>Capacity</u>	<u>Code</u> <u>Capacity</u>
	1418005400      400ml	141750590      90 ml	1417800400      400 ml 1417922400      400 ml	1417803400      400 ml	

#### Application examples:



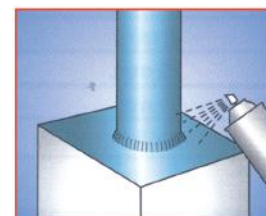
**Loctite® 8005**  
Protector of straps.  
Recommended to prevent slippage and increase friction on all types of belts. Extends the belt half-life.



**Loctite® 7505**  
Anti rust.  
It converts rust into a stable base. The cured product acts as a primer for painting. Protects surfaces from corrosion. Use in metal materials such as pipes, valves, fittings, storage tanks, fences, rails, construction and agricultural equipment etc



**Loctite® 7800**  
Glitter zinc spray  
**Loctite® 7922**  
Matte zinc spray  
Provides excellent cathodic protection in ferrous metals. May used as a primer before painting. Especially suitable for protecting welds against corrosion on galvanized parts.



**Loctite® 7803**  
Protective coating of metals. Not dry, not sticky, provides a durable protection against corrosion. Compatible with most plastic and elastomeric materials. Durable protection of metal assemblies such as moulds, machines and outdoor installations.

### Lubricants Maintenance

At www.rodavigo.net Family: Industrial Adhesives  
Product: Krafft Material

High quality lubricants formulated for use in industry, DIY and domestic use. Given the wide range cover all needs such as moisture removers, corrosion protection and unlockers



Code	Capacity
	ml
14417492	270
14417493	520

**MULTIPURPOSE.** Anti-humidity, anti-corrosion, unlocking lubricant, penetrating. In spray. Lubricates locks, hinges and other mechanisms. Displaces water and makes it easy to start engines wet. Protects electronic and electrical equipment. Drop rusty and seized parts. Protects against corrosion.



Code	Capacity	Code	Capacity
14415082	250 ml	14415091	270 ml
14415084	1 L	14415094	520 ml
14415085	5 L		spray
14415087	25 L		liquid

**LOOSEN ALL "LOOS-ALL".**  
Presented in liquid or aerosol form. Penetrating and super-active lubricant for easy release, sliding or unscrewing of all kinds of parts seized by rust and dirt. Used in assembly facilitates subsequent disassembly.





# INDUSTRIAL ADHESIVES

Krafft

## >>> Lubrication

At [www.rodavigo.net](http://www.rodavigo.net)

Family: Industrial Adhesives  
Product: Krafft Material

Lubricants. Maintenance

**GREASE IN SPRAY.** Special lubricant based on synthetic polymers in oil long-lasting mineral. High pressure resistance. Very adherent

Code	Capacity
	ml
14415203	670



**SILROLL-E1** Lubricant in silicone spray. In addition to their applications as a lubricant, it is used as an anti-adhesive. Transparent, does not stain, repels water.

Code	Capacity
	ml
14433822	500



**LITHIUM GREASE** in tube. Temperature resistant from -20° to + 140°C. It is not removed with water. Multiple applications.

Code	Capacity
	g
14415393	150



**VASELINE OIL:** High penetrating power lubricant that ensures corrosion protection.

Code	Capacity
	ml
14417102	125



## LOCTITE

## >>> Retention

At [www.rodavigo.net](http://www.rodavigo.net)

Family: Industrial Adhesives  
Product: Loctite Material

Retention

- High strength products. can withstand high loads and eliminate friction corrosion
- Fill all cavities: prevent corrosion
- Reduce the need to adjust tolerances
- 100 % contact: load and voltage are distributed evenly at the junction.

Practical suggestions:

If the retention product is to be applied below 5°C, pretreat with Loctite 7240 (Activator).

All parts must be clean and dry before sealing - use Loctite 7063.

If parts have been in contact with washing solutions or cutting lubricants containing nitrites, wash them with hot water.



For parts that are not disassembled later

Reference	660	641	648	638	603
Required resistance	high	Moderate	high	high	high
Tamper resistance 1)	20 min	30 min	5 min	5 min	10 min
Diameter clearance	until 0,5mm.	until 0,1 mm.	until 0,15 m.	until 0,25 mm.	until 0,1 m.
Temperature resistance	150°C	150°C	175°C	150°C	150°C
Packaging	50 ml	50, 250ml	50, 250ml	50, 250ml, 1L	10, 50, 250ml
	Code Capacity	Code Capacity	Code Capacity	Code Capacity	Code Capacity
	14166050 50 ml	14164150 50 ml 141641250 250 ml	14164850 50 ml 141648250 250 ml	14163850 50 ml 141638250 250 ml	14160310 10 ml 14160350 50 ml 141603250 250 ml

1) at room temperature of steel joints

Application examples:



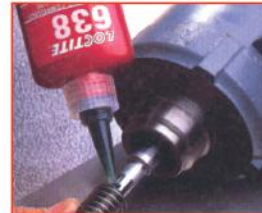
**Loctite® 660** (use with Activator loctite 7240)  
Used to repair worn coaxial parts without machining: allows the reuse of tapered grooves, keyways and misaligned cushion seats or the retention of adjustment wedges  
P1NSFReg.No.: 123704



**Loctite® 641**  
Recommended for parts to be dismantled. for example. for bearing retention on axles and bodies.



**Loctite® 648**  
Recommended for retaining parts at high temperature in loose or pressurised assemblies. for example. retaining bushings and bearings, sealing seals, fans and cylinder liners.



**Loctite® 638**  
Improves resistance to dynamic, axial and radial. Recommended for fix shafts, gears, pulleys and similar cylindrical parts.  
P1 NSF Reg.No.: 123010



**Loctite® 603**  
(Improved Loctite 601)  
To retain cylindrical parts well adjusted (up to 0.1mm slack), and to apply to cylindrical connections that do not allow degreasing thorough. Tested and approved for use in bearings.  
P1 NSF Reg.No.: 123003



>>> Sealed

Thread sealing

At www.rodavigo.net Family: Industrial Adhesives  
Product: Loctite Material

- Replaces hemp, ribbons and pasta.
- Ensure total contact between threads: 100% sealed
- Do not deform or shrink and do not release fibres that can block systems ( including filters)
- Easy disassembly with normal tools.

Practical suggestions:

If the sealant (Loctite 542,577 or 572) is to be applied less than 5°C, pretreat with Loctite 7240 (Activator).

All parts must be clean and dry before sealing: use Loctite 7063.

If the parts have been in contact with washing solutions or cutting lubricants containing nitrites, wash with water hot 1).

Clean the surface of U-PVC pipes with Loctite 7044 before gluing with Loctite 5004.

1) Does not apply to Loctite 5331/55

Reference	5004	Code	Capacity
Description	Solvent	1415004125	125 g
Max size of thread	N.A.	1415004250	250 g
Temperature resistance	Like plastic	1415004500	500 g
Tear resistance	High	14150041	1 kg
Substrates to seal	U-PVC		
Low pressure instant sealing	No		

Application examples:



**Loctite® 5004**  
Special solvent-based adhesive special for gluing pipes U-PVC. Satisfy the standards following: DIN16970 and KRV.R1.17, BS4346, part 3 and ASTM D2564. The hardened adhesive satisfies suitability requirements for drinking water supply in U-PVC pipes, in accordance with Recommendation No. VII of the Plastics Commission of the Bundesgesundheitsamt (authority health service from Germany).



**Loctite® 55**  
Can be used in pipes threaded metal or plastic. Have WRC approval to use with drinking water up to 85°C, and complies BS6920. Complies with the recommendation KTW for cold and hot water. Gas and water - meets approval German DVGW (No. DV-5142AU0166), together with DIN30660. Tested according to standard EN751-2 class ARP. Certified according to ANSI/NSF Standard 61.



Sealants for Diy

At www.rodavigo.net Family: Industrial Adhesives  
Product: Krafft Material

**MULTI-SEALING SILKRAF.** Neutral silicone sealant with excellent adhesion on cement, stone, glass, metal, PVC, etc. For sealing gaskets windows, facades, pipes, stairs, etc.

Code	Capacity
	ml
14462703	300 White



**SILKRAF HOME.** Acetic silicone sealant for lavatory joints, sinks, bathtubs, etc. Avoid water leaks. It does not blacken. Resists cleaning products.

Code	Capacity
	ml
14462732	50 White
14462742	50 Translucent



**SILKRAF CRISTAL.** Acetic silicone sealant formulated to bond glass with metal and aluminum. Special for mounting and sealing glass.

Code	Capacity
	ml
14462803	300 Translucent



**SILKRAF WORK.** Neutral silicone sealant for sealing on materials porous (cement, brick, etc.) Excellent adhesion on all materials of work. It does not produce an odor.

Code	Capacity
	ml
14462783	300 White





# INDUSTRIAL ADHESIVES

## >>> Sealed

At [www.rodavigo.net](http://www.rodavigo.net) Family: Industrial Adhesives  
Product: Loctite Material

Post-assembly adjustments to the assembly		No subsequent adjustments		Fine pitch thread up to R3 / 4		Coarse pitch thread up to R3			
55		5331		542		577		572	
Thread		Curable gel		Hardenable liquid		Curable gel		Curable gel	
4 "tested		3"		3/4 "		3"		3"	
+130°C		+150°C		+150°C		+150°C		+150°C	
Low		Low		Half		Half		Half	
Metal, plastic, both		Metal, plastic, both		Metal		Metal		Metal	
Yes		Yes		Not		Yes		Not	
Code	Capacity	Code	Capacity	Code	Capacity	Code	Capacity	Code	Capacity
14155150	150 m	1415331100	100 ml	14154250	50 ml	14157750	50 ml	14157250	50 ml
				141542250	250 ml	141577250	250ml	141572250	250ml
				1415421	1 L				



**Loctite® 5331**  
Recommended for use in plastic threaded joints or of plastic/metal carrying hot or cold water, example. plastic pipes for water distribution in agricultural or industrial use, and in drainage systems. It has German approvals DVGW (NG-5146 AR0618) and KTW for gas and drinking water. Tested according to EN751-1. It has WRC approval for water use drinking up to 85 C. P1nsfreg.No.: 123620



**Loctite® 542**  
Recommended for fine-pitch threaded joints used in hydraulic and pneumatic installations and for small threads in general. It has the approval German DVGW (NG-5146 AR0855). Tested according to standard EN751-1. Complies with BS6956 type A for gas sealing. It has the WRC approval for water use drinkable.



**Loctite® 577**  
Recommended for all metal rod threads. Ideal for fast applications at low temperatures. example. maintenance of plants outside. It has the German DVGW approval (NG5146 AR0321). Tested according to standard EN751-1. Complies with standard BS6956 type B for sealing gas. It has WRC approval for use with drinking water. P1nsfreg.No.: 123001



**Loctite® 572**  
Recommended for all types of metal rod threads where a slow curing is required to prolong the adjustment time of valves, taps or fittings. Meets the standard BS6956 type B for sealing gas. Certified according to ANSI/NSF Standard 61.

Fixing / acrylic sealants

At [www.rodavigo.net](http://www.rodavigo.net) Family: Industrial Adhesives  
Product: Krafft Material

Sealants of Diy

**SILKRAF CRACKS.** Acrylic sealant ideal for its filling capacity and watertightness, for sealing joints in construction. Excellent adhesion. Paintable.

Code	Capacity
	ml
14450323	300 White



**SILKRAF ULTRA INVISIBLE.** Super acetoxy silicone sealant transparent and low module. Ideal for decoration applications. Maintains its flexibility permanently in long-lasting joints.

Code	Capacity
	ml
14462833	280



**SILKRAF HOME TUBES.** Acetic silicone sealant. Formulated with specific fungicides that prevent them from becoming blackened making it recommendable for kitchens, baths, etc. Completely eliminates water inlets. Blister with cannula and applicator.

Code	Capacity
	ml
14462732	50 White
14462742	50 Translucent



**SILKRAF HOME 1/2 CARTRIDGE.** Silicone sealant that seals and isolates, always staying flexible. It does not hang up. It does not blacken. (fungicide). Blister with cannula and applicator.

Code	Capacity
	ml
14462542	150 Translucent







>>> **Silicones**

Flexible sealing and bonding

At www.rodavigo.net Family: Industrial Adhesives  
Product: Loctite Material

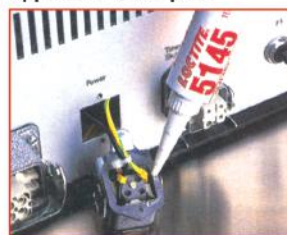
Reference	To seal electrical materials 5145	5366, 5367, 5368	Classification food 5398
Operating temperature	Up to 200°C	Up to 250°C	Up to 350°C
Paintability	Not	Not	Not
Curing method	Humidity	Humidity	Humidity
Skin formation time	70 min.	5 min.	8-10 min.
Viscosity	Paste	Paste	Liquid
Special for	Electric components	Glass	Sealing / Filling
Colour	Translucent	5366 Transparent 5367 White 5368 Black	Red

Code	Capacity	Code	Capacity	Code	Capacity
1415145300	300 ml	141536650	50 ml	1415398310	310 ml
		1415366310	310 ml		
		1415367310	310 ml		
		1415368310	310 ml		



Application examples:



- Withstand forces of impact and torsion.
- Resist thermal expansion and contraction as well as vibration.
- Have very good capacity of filling of slacks.
- Are suitable for a wide temperature field.
- Offer good weather resistance

Practical suggestions:

To improve the adhesion of Loctite 5221/5225/5226, use the following primers:

- Loctite 7251-Glass
- Loctite 7252-Plastic and paint
- Loctite 7253-Metals

**Loctite® 5145**  
Flexible, non-corrosive  
Electrical grade  
Adhesive / Sealant Low odor,  
neutral cure, won't corrode  
electrical components and  
electronic.

**Loctite® 5366 / 5367 / 5368**  
Heals by becoming a flexible  
rubber. Recommended for  
bonding, sealing and protecting  
components subject to vibration.  
Ideal for glass, metal, ceramic,  
components, and most plastics

**Acetic silicones**

At www.rodavigo.net Family: Industrial Adhesives  
Product: Krafft Material

**PURE SILKRAF.** High quality acetic silicone. Vulcanized to the touch in 15 minutes. Especially formulated for sealing glass, aluminum, metal, etc. Complies with UNE 53622 Standard.

Code	Capacity ml
14462503	300 White
14462513	300 Translucent
14462553	300 Black



**PROFESSIONAL SILKRAF.** High acetic silicone accession. Vulcanizes to the touch in 15 min. Especially suitable for glazing and in general for sealing non-porous surfaces.

Code	Capacity ml
14462573	290 White
14462583	290 Translucent



**SANITARY SILKRAF.** Supporting silicone extreme humidity and sudden changes in temperature. Resists detergents and does not blacken or crack with Over time.

Code	Capacity ml
14462563	300 White



**HIGH PERFORMANCE SILKRAF.** Excellent adhesion, permanent flexibility and total tightness in the joints. Vulcanizes to the touch in 15 min. Waterproof. to humidity, temperature changes and vibrations.

Code	Capacity ml
14462593	290 Translucent
14462483	290 White
14462613	290 Black
14462633	290 Aluminum
14462643	290 Bronze



**SILKRAF SILLIBAT.** High adhesion acetic silicone. Vulcanizes to the touch at 15 min. Especially indicated for glazing. Water resistant, humidity, temperature changes and vibrations.

Code	Capacity ml
14454803	280 Translucent
14454823	280 White
14454833	280 Gray
14454793	280 Black
14454843	280 Green
14454853	280 Bronze





# INDUSTRIAL ADHESIVES

## >>> Silicones

At [www.rodavigo.net](http://www.rodavigo.net) Family: Industrial Adhesives  
Product: Loctite Material

For greater resistance and / or to be able to paint

5399	5226	5069
Up to 350°C	Up to 80°C	Up to 100°C
Do not	Yes	Yes
Humidity	Humidity	Humidity
5 min.	70 min.	15 min.
Paste	Paste	Paste
Sealed oven door, medium resistance joint	Flexible	Flexible joints, sealed
Red	5221 Gray 5225 White 5226 Black	Black
<b>Code</b>	<b>Code</b>	<b>Code</b>
1415399310	1415226310	1415069310
<b>Capacity</b>	<b>Capacity</b>	<b>Capacity</b>
310 ml	310 ml	310 ml



**Loctite® 5398**  
Flexible adhesive / sealant  
Food grade  
Recommended for sealing heat exchangers in steam circuits, heaters water, ovens and other equipment such like turbines, pumps and couplings. It also can use the producer for protection and the insulation of electrical boxes.



**Loctite® 5399**  
Flexible adhesive / sealant  
High temperature  
Ideal for bonding and sealing glass, metal and ceramic. The temperature can reach 350°C, for ex. in the sealing of smoke vents or chimneys, in industrial ovens, in household appliances and in ventilation systems.



**Loctite® 5221 / 5225 / 5226**  
Flexible adhesive / sealant  
Paintable, with good resistance chemistry.  
Recommended for joining materials with different coefficients of Thermal expansion.



**Loctite® 5062 / 5063 / 5064 / 5065 / 5066 / 5068 / 5069**  
Adhesive/sealant MS polymers  
Permanently bind and seal painted or unpainted metals, plastics, wood and many others materials without the need to primer.  
Good resistance to UV.

At [www.rodavigo.net](http://www.rodavigo.net) Family: Industrial Adhesives  
Product: Krafft Material

### Neutral silicones

**NEUTRAL SILKRAF.** Silicone suitable for most of the materials of construction: stone, cement, brick, steel, glass, etc. Particularly indicated for sealing expansion joints, facades, pavements, terraces and roofs.

Code	Capacity
	ml
14462663	300 Gray
14462673	300 Black
14462693	300 Translucent



**SILKRAF PVC NEUTRAL.** Indicated for sealing PVC and lacquered Polyurethane. Recommended for joints in PVC windows and doors with most of construction elements: glass, ceramic, marble, cement, brick, stone, etc.

Code	Capacity
	ml
14462683	300 White



**SILKRAF MIRRORS.** Neutral silicone ideal for bonding mirrors to most materials building. It is recommended to always use primer to guarantee the joints. Excellent adhesion on most of the mirror varnishes, except those of silver and old gold (Risk of attack). Fast cure.

Code	Capacity
	ml
14453663	300 Translucent



>>> **Silicones**

Industrial silicones

At www.rodavigo.net Family: Industrial Adhesives  
Product: Krafft Material

Code	Capacity	
14454003	300 ml	<b>SILKRON KS ACETOXY.</b> High performance acetic silicone and very fast curing (3mm in 6 hours) Covers a wide temperature range (-60° to 220° C). Excellent thermal insulation.
14454007	25 kg Translucent	
14454013	300 ml	



Code	Capacity	
14454043	300ml Translucent	<b>SILKRON KS NEUTRAL.</b> Neutral silicone single component very fast curing monocomponent (3 mm. in 6 hours). It does not attack or corrode metals. Good resistance to most products chemicals (acids, solvents, etc.). Without smell.



Code	Capacity	
14454323	300 ml FLUID	<b>SILKRON HT ACETOXY.</b> Single component acetic silicone with excellent resistance to high temperatures (280°). Does not attack or corrodes metals. Without smell. resists most of chemical products. ( acids, solvents, etc).
14454193	300 ml	
14454196	30 kg Red	
14454176	30 kg White	



Code	Capacity	
14454281	75 ml	<b>SILKRON HT NEUTRAL.</b> Neutral silicone single component with excellent resistance to high temperatures (280°C). Does not attack or corrodes metals. Without smell. Resists most of chemical products (acids, solvents, etc.).
14454283	300 ml Red	
14454183	300 ml	



Code	Capacity	
14454291	75 ml	<b>SILKRON SPG.</b> Special single component acetic silicone for gasket formation. Resistant to the oil. Can be easily removed in disassembly or repair.
14454293	300 ml Black	

