DE-SEIZE - CLEAN - LUBRICATE
ASSEMBLE - PROTECT

A PMUC range that is full of energy...
815 REDUCE 2N
De-seizing lubricant
A liquid lubricant that de-seizes and powerfully penetrates. Dissolves residues left by mounting pastes. Lubricates and protects. Penetrates, removes rust, dissolves tar and dirt on the dirtiest parts, seeps into even the narrowest spaces. Very effective against salt water corrosion.

507 NDI
surface preparation solvent

517 A 62 NU
decontaminating solvent
Degreasing solvent for very dirty mechanical parts. Decontaminant of radioactive particles. Certified to degrease low voltage (BT) and medium voltage (HTA) cables. Colourless – Compatible with parts washer.

503 KLEANSER
dry solvent, quick evaporation

515 ORANET B1
super concentrated detergent
Very powerful liquid detergent. Cleans car bodies, tarps, painted surfaces. Cleans very encrusted floors, machine frames, etc. Can be used with a brush, in a roll-over vehicle wash system, automatic vehicle washer or in a high pressure cleaner. Dilute in water to 0.5 to 20%. Blue.

SDS 04.0033

538 ORASOLV 89CLI
emulsifiable
Extra-powerful solvent. Powerful tar remover, cleans combustion residues. Degreases very dirty mechanical parts, cement and concrete floors, etc. Cleans brushes of solvent-based paints. Guaranteed halogen-free. Blue - Flashpoint: >40°C
ANTI-CORROOSIVE PAINTS

650 NZA MAT
matt galvanisation
Long-lasting treatment and durable protection (up to 5 years) against corrosion for all metal parts. Retouch galvanised parts even in extreme climatic conditions. For use in corrosive and marine environments. Matt grey
Temperature: min -50 to max +200°C.

4650A4 650 ml aerosol
2650B7 1 kg tin
2650S1 5 L bucket

706 NZA B
shiny galvanisation
Exceptional, long-lasting treatment and durable protection (up to 3 years) against corrosion for all metal parts. Coating rich in zinc leaving a slight shine. Effective even in corrosive or marine environments. Shiny grey
Temperature: min -50 to max +200°C.

4706A4 650 ml aerosol
2706B7 1 kg tin
2706S1 5 kg bucket
2706U2 200 kg drum

300000 CODEROUIL
anti-rust lacquer
Quick drying. Provides high resistance for exteriors and an excellent adherence to a large variety of surfaces. Can be used on all surfaces subject to oxidation: metal frames, cisterns, pipes, vehicles, machine tools, doors and gates, etc. Resistance at temperature: +100°C maximum

Colour | RAL | Aerosol | Box
---|---|---|---
White | 9010 | 300001 | 300002
Red | 3020 | - | 300005
Yellow | 1004 | - | 300008
Blue | 5017 | - | 300017
Grey | 7042 | - | 300023
Black | 9017 | 300025 | 300026

Actual products may differ from the colours shown.

BELT

953 ADHERENT COURROIES
belt grip
Belt grip improvement by 3. For leather, plastic and composite belt. It avoids belt. It avoids belts’ hardening and power losses.
This allows better power transmission. You will find easier to place pre-cut joints on carter. Can be used on treadmill. T° Max = +80°C

4953A4 650 ml aerosol

COLD

951 GIVREUR
generates intense cold: -65°C
Multi-positions. De-seizes with thermal shock.
Use with electronics. Enables detection of printed circuit board failures. Can also be used with mechanical devices to retract parts and allow shrink-fitting.

4951A4 650 ml aerosol

MARKING

010 MV ROUGE
identification - marking - coding
Cellulose varnish for marking and identifying, locking parts.
Fasteners, bonding, to verify safe assembly, and re-dismantling of assemblies. It makes it possible to see, thanks to a rupture in the film, if a device has been disassembled. Guarantees impregnability of screws, bolts, rivets.
Dries in 1 min. Red - Temperature: -40°C to + 200°C

1010B7 1 L tin
1010FB 90 ml bottle

054 MARKER
all surface marker
For marking and identifying materials in the workplace. Compatible with all materials: paper, cardboard, glass, stone, ceramic, wood, all metals, plastics, rubbers, tyres, etc. Can be used on smooth and rough surfaces. Impermeable and rain resistant, does not clog, does not dry out, always ready for use.

1054ST | Blanc
1054STR | Rouge
1054STB | Bleu
1054STJ | Jaune
1054STN | Noir
ANTI-CORROSIVE PROTECTION

**804 PROTOR SG 100**

storage protection

Inter-manufacturing, anti-corrosive protective wax forming a strong, semi-greasy film. Coloured version for better visualisation of protected areas. Enables handling of treated parts. Apply by spraying, painting or soaking. Red.

- 4804A4 650 ml aerosol
- 2804I1 500 ml container
- 2804J1 5 L jerry can
- 2804U2 200 L drum

**808 ANTIPERL ECO**

water-based anti flux residue


- 6808A4 650 ml PMUC aerosol
- 6808J1 5 L PMUC jerry can

**842 PROTOR 842**

inter-manufacturing protection

Fluid, slightly waxy product to protect stored equipment, injection moulds, etc. against corrosion. De-watering effect.
Leaves a fine protective film that is compatible with most subsequent operations without washing: machining, lubrication, etc. Salt Spray Test: >70 h - yellow.

- 4842A4 650 ml aerosol
- 2842O1 20 L drum

**956/957 CRACK DETECTOR**

seams, cracks

Verifies welding on tanks, pylons, machine frames. Clean with 503, apply 957 (red fluid, penetrates well and seeps into seams, micro-cracks, and into the pores of metals, blocked or not blocked) allow to penetrate, wipe, apply 956 REVELEATEUR BLANC. Defects appear in red when the indicator is applied. ASME Section V compliant.

- 4957A4 650 ml aerosol
- 4956A4 650 ml aerosol

**958 LEAK DETECTOR**

gas leaks

Suitable for detection of gas leaks, such as compressed air, oxygen, butane, propane, CO2, etc. in pipes and waterworks. Detects leaks instantaneously by foaming. The aerosol has an adjustable nozzle. Contains a corrosion inhibitor.

- 6958A4 650 ml PMUC aerosol

**810 FINE 121**

light oil


- 6810R1 125 ml PMUC oil can
- 6810A4 650 ml PMUC aerosol
- 2810J1 5 L jerry can

**954 BLOC’ROUILLE**

stops rust

Powerful rust passivator. Combines with rust to form a protective layer: a black, hard compound that adheres to metal. Prevents return of rust for several years. Can be painted over.

- 2954R3 500 ml bottle
- 2954J1 5 kg jerry can
- 2954U2 200 kg drum

DEFECT DETECTION

**810 FINE 121**

light oil


- 6810R1 125 ml PMUC oil can
- 6810A4 650 ml PMUC aerosol
- 2810J1 5 L jerry can

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- 6958A4 650 ml PMUC aerosol
015 ACTIVATEUR 3140 special anaerobic resins*

Accelerates polymerisation of anaerobic resins, therefore decreases setting time. It is recommended for galvanised surfaces, stainless steel and aluminium, when backlash is significant, when temperature is less than 10°C.  

*Anaerobic resins: ref. 367-328-318-300-304-307-324-333

025 ACTIVATEUR 6140 special glues

Decreases setting time significantly for glues and enables polymerisation outside of gluing area. Apply ACTIVATEUR 6140 on one of the surfaces and the glue on the other surface or directly on the glue to activate polymerisation. Fast-evaporating colourless liquid. For 384, 385, 386.

For any threaded part that must be locked in place, secured in order to prevent loosening. 3 different grades available; choose depending on mechanical resistance desired. Operating temperature: -60°C to +150°C (+230°C) – Setting time on steel: 10 to 25 min.

300 FREINAGE FORT

Strong resistance. For assemblies which normally need not be dismantled. Green liquid. Breaking strength on M10 steel bolts: >20 N.m.

304 FREINAGE MOYEN 15

Medium resistance. For assemblies which need to be dismantled with standard tools. Red liquid. Breaking strength on M10 steel bolts: 15 - 20 N.m.

307 FREINAGE FAIBLE 15

Moderate resistance. For assemblies which need to be dismantled easily with standard tools. Blue liquid. Breaking strength on M10 steel bolts: 5 - 15 N.m.

314 BLOCK BAGUE

Increases reliability of rings and bearings. Strong bond. For assemblies which normally need not be dismantled. Green. Handling time: 10 to 25 minutes on steel. Operating temperature: -60°C to +150°C (+230°C)

318 BLOCK ROULEMENT

Increases reliability of rings and bearings. Medium resistance. Affixing parts which need to be dismantled with standard tools in case of wear. Red. Handling time: 10 to 25 minutes on steel. Operating temperature: -60°C to +150°C (+230°C)
**THREAD SEALING**

### 367 TUBELOCK C pipes and nozzles
Low- and high-pressure thread sealing of metal threaded pipes. Hydraulic, industrial gas and fluids, cold and hot water, etc. Medium resistance. Yellow orange. Breaking strength: 10 - 20 N.m. Quick setting on brass and steel. Can be used with ACTIVATEUR 3140. Setting time at 20°C: 10 - 25 min. – Operating temperature: -60°C to +150°C (+230°C).

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>1367F7</td>
<td>50 ml squeeze bottle</td>
<td>PMUC</td>
</tr>
<tr>
<td>1367T2</td>
<td>50 ml tube</td>
<td></td>
</tr>
<tr>
<td>1367T4</td>
<td>200 ml tube</td>
<td></td>
</tr>
</tbody>
</table>

### 328 PORALOCK strong resistance
Low- and high-pressure thread sealing of metal threaded pipes. Hydraulic, industrial gas and fluids, cold and hot water, etc. For assemblies which normally need not be dismantled. Green liquid. Shearing strength: >15 N/mm². Breaking strength: >20 N.m. Quick setting on brass and steel; on stainless steel pipes. Can be used with ACTIVATEUR 3140. Setting time at 20°C: 10 - 25 min. – Operating temperature: -60°C to +150°C (+230°C).

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>6328F3</td>
<td>50 g PMUC bottle</td>
<td></td>
</tr>
</tbody>
</table>

### 367 TUBELOCK C pipes and nozzles

### THREAD SEALING PLANES

### 324 ORAJOINT rigid

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>6324T2</td>
<td>50 ml PMUC tube</td>
<td></td>
</tr>
</tbody>
</table>

### 333 PORAJOINT semi flexible

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</tr>
</thead>
<tbody>
<tr>
<td>6333T2</td>
<td>50 g PMUC tube</td>
<td></td>
</tr>
</tbody>
</table>

### FLEXIBLE MASTIC ADHESIVE

### 100 LUBRISEAL RTV ACETIQUE food safe, transparent

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>6100T3</td>
<td>100 g PMUC tube</td>
<td></td>
</tr>
<tr>
<td>6100C3</td>
<td>310 ml PMUC cartridge</td>
<td></td>
</tr>
</tbody>
</table>

### 101 LUBRISEAL RTV ACETIQUE white
Flexible bonding, insulation and sealing. Metal parts, glass, ceramic, expansion joints, wire insulation, etc. Soundproofing. Colour: white. Operating temperature: -65°C to +250°C - Film forming: 10 min – Full drying: 24 hours – Shore A hardness: 25 to 33.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>1101T3</td>
<td>100 g tube</td>
<td></td>
</tr>
<tr>
<td>1101C3</td>
<td>310 ml cartridge</td>
<td></td>
</tr>
</tbody>
</table>

### 129 ORABOND 2K off-white universal putty glue
Flexible, bi-component quick-setting putty glue formulated for bonding and sealing on all materials. This new generation hybrid polymer glue is odourless and has higher tensile, tearing and shear strength than silicones and polyurethanes. T°: -40 à +90°C

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>1129C6</td>
<td>250 ml cartridge</td>
<td></td>
</tr>
</tbody>
</table>
408 DECOLLEUR 3720
cleaning and removing glues
Detaching glued assemblies. Cleaning solvent for storage equipment and work tables soiled with glue. Apply by soaking. Colourless.

6408F2  20 g PMUC bottle
1408i2  1 L container

400 NEOPRENE
multipurpose contact adhesive
Immediate setting on rubber, leather, fabric, cork, laminated. Flexible, high efficiency. Very high resistance to wrenching, excellent resistance to humidity. Usage by applying adhesive on both surfaces (150 ml/m² and per surface) Colour: beige
Application time: 5 to 15 min
Temperature range: -30° to +130°C
Peeling resistance: 15 kg/cm²

4400A4  650 ml aerosol

346 NUCSEAL N
non-hardening joint sealer
For sealing jointing plans and threaded fittings. Replaces or makes paper gaskets and other pre-cut gaskets adhere. Create thread sealants of any shape, even complex. Operating temperature: -50 to +300°C.

6346T3  100 g PMUC tube

GLUES
Rapid set glues enables adherence to most types of material: aluminium, ABS, PVC, metals, wood. Colourless. Operating temperature: -60°C to +100°C. Setting time: 2 to 60 sec depending on substrates. Shearing strength: 10 MPa to 30 MPa.

384 C5000 CM
multi-purpose gel
Adhere porous materials vertically or upside down.

6384F1  5 g PMUC bottle
6384F2  20 g PMUC bottle

385 C5000/14
multi-purpose
Super rapid setting fluid glue. Viscosity: 100 cP.

6385F1  5 g PMUC bottle
6385F2  20 g PMUC bottle

386 C5040
seals and plastics
Quick acting adhesive, good resistance to humidity. Viscosity: 40 cP.

6386F1  5 g PMUC bottle
6386F2  20 g PMUC bottle

STRUCTURAL GLUE
418 THERMIQUE
High-temperature putty glue
Silicone-free putty glue. Jointing, gluing and sealing, specially formulated to withstand very high temperatures (1500°C without deformation). Asbestos-free. Hardens completely, to the very centre.
Anthracite grey – Operating temperature: -40°C to +1500°C - Thickness: 5 to 15 mm

1418C3  310 ml cartridge

202 OREPOX 5
fast-acting epoxy, sets in 5 min
Repair and rigid adherence of most materials: ceramic, wood, cement, metal, etc. Quick adherence of parts that are insufficiently or incorrectly calibrated with variable or considerable backlash. Light yellow – Mixture ratio: 1/1. Operating temperature: -40 to +120°C.

1202E1  28 g syringe
1202E3  50 ml syringe to be used with 1 nozzle
1202K7  1 kg (2x500 g) kit
**LUBRICANTS**

Colloidal dispersion of powdered lubricant micronised in a binder. Forms a dry lubricating film that is smooth and adheres well. Ideal in dusty atmospheres and applications in very cold environments. Treatment and pre-treatment of all mechanisms requiring assembly. Facilitates running-in. Dries at room temperature. Lubrication of runners, rods, ejectors, fasteners, etc.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Application</th>
<th>Operating Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>701</td>
<td>TEFLISS 2 PTFE</td>
<td>Treatment and pre-treatment of all mechanisms</td>
<td>-120 to +250°C</td>
</tr>
<tr>
<td>702</td>
<td>GRAPHENE graphite in aerosol form</td>
<td>Drying at room temperature. Lubrication of</td>
<td>-70 to +900°C</td>
</tr>
<tr>
<td>717</td>
<td>A2ON NF</td>
<td></td>
<td>-70°C to +900°C</td>
</tr>
</tbody>
</table>

**MOUNTING AND ANTI-SEIZING PASTE**

Facilitates mounting of threaded assemblies. Prevents seizing of assemblies subjected to the elements and high temperatures. Tools, axles, rollers, boltings, slow-moving parts and any parts that need to be dismantled easily after several years.

<table>
<thead>
<tr>
<th>Code</th>
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<th>Operating Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>600</td>
<td>TM 900S copper</td>
<td></td>
<td>-40 to +1100°C</td>
</tr>
<tr>
<td>601</td>
<td>HT 600 aluminium</td>
<td></td>
<td>-40 to +650°C</td>
</tr>
<tr>
<td>611</td>
<td>MOB 60 MoS2 bisulfite of molybdenum</td>
<td>Highly concentrated formula for running-in</td>
<td>-40 to +450°C</td>
</tr>
<tr>
<td>613</td>
<td>GRN graphite</td>
<td></td>
<td>-80 to +250°C</td>
</tr>
<tr>
<td>643</td>
<td>NB clean paste</td>
<td></td>
<td>-80°C to +1400°C</td>
</tr>
</tbody>
</table>

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**Chemical and Application Details**

- **701 TEFLISS 2 PTFE**
  - White
  - Operating Temperature: -120 to +250°C
  - Treatment and pre-treatment of all mechanisms requiring assembly
  - Dries at room temperature
  - Lubrication of runners, rods, ejectors, fasteners, etc.

- **702 GRAPHENE graphite in aerosol form**
  - Black
  - Operating Temperature: -70 to +900°C
  - Dries at room temperature
  - Facilitates running-in

- **717 A2ON NF**
  - Bulk version of 702
  - Black
  - Operating Temperature: -70°C to +900°C

- **600 TM 900S copper**
  - Operating Temperature: -40 to +1100°C (dry lubrication)

- **601 HT 600 aluminium**
  - Operating Temperature: -40 to +650°C (dry lubrication)

- **611 MOB 60 MoS2 bisulfite of molybdenum**
  - Highly concentrated formula for running-in and pre-treatment before assembly
  - Withstands extreme pressure
  - Bluish black
  - Operating Temperature: -60 to +450°C

- **613 GRN graphite**
  - Black
  - Operating Temperature: -80 to +250°C (dry lubrication >900°C)

- **643 NB clean paste**
  - White
  - Operating Temperature: -80°C to +1400°C (dry lubrication)
803 SILICONE SPRAY
lubricant and mould releaser

810 FINE 121
light oil

840 G 840
glycerin oil
Refined lubricant for delicate greasing. Highly fluid, to be used to lubricate micro-mechanisms, control devices and filling pressure gauges. Colourless – Operating temperature: -20 to +70°C. 800 cPs at 25°C.

705 ORAFLON
teflon®-based synthetic lubricant
Powerful synthetic lubricant made with finely micronized Teflon®, EP additives and anti-rust agents for greasing. Operating temperature: -30 to +230°C.

892 ORACOUP 892
soluble cutting oil
Suitable for iron-based metals and white alloys, suitable for significant chipping. Excellent mechanical and microbial stability, allows for less frequent emptying. Yellow – Application dosage: 2% to 6%

858 2000 NUCL NF
neat cutting oil
Very high power extreme pressure, anti-wear, which very quickly evacuates calories. Suitable for all uses and on all materials, manufacturing of titanium and of stainless steel. Yellow – Ready-to-use product.

865 FTS 10 NU
odourless and colourless straight cutting oil
Synthetic fluid with excellent anti-wear and extreme pressure powers. Colourless – Ready-to-use product.

METAL WORKS
MANUFACTURING DRILLING TAPPING
Allows all types of manufacturing work on all metal types, prevents premature wear of cutting tools.
605 WSA marine grease
Adheres very well. Water and vapour resistant. Suitable for the marine environment and hydraulic industries. Bearings, axles, runners, etc. equipment for gates, water treatment plants, etc. Green – Operating temperature: -30 to +130°C.

606 CTDMEP 2 high temperature grease
Synthetic grease for heavy loads and high temperatures. Significant stability for long-lasting use. Blue – Operating temperature: -30 to +230°C.

609 CT 609 transparent food hygiene grease
Does not stain, excellent water resistance. For all mechanisms in close contact or in contact with foodstuffs. Operating temperature: -30 to +150°C. NSF and INS.

617 CT 8 EP high temperatures with MoS2

628 CT 300 infusible grease
Grease with remarkable lubricating powers at high temperatures. With no drop point, the grease does not run during possible overheating. For platforms, bearings. Light brown – Operating temperature: -40 to +210°C.

629 CT 51 NF multi-use PMUC grease
Multi-functional and multi-use grease for all sorts of mechanisms: bearings, hinges, runners. Water- and solvent-resistant. White – Operating temperature: -20 to +160°C.
SPECIAL GREASES

646 SI 20
silicone grease
For bearings, mobile joints and mechanisms operating in very humid environments. Beige – Operating temperature: -30 to +160°C.

648 SI 450
lubrication of gaskets
Grease for assembling gaskets, greasing all mechanisms that come into contact with water. Water-resistant. Excellent thermal conductivity, chemically inert. Preserves the flexibility of rubber gaskets. Colourless – Operating temperature: -40 to +200°C.

658 VASCO 15
delicate lubrication
Codex vaseline grease, specially adapted for lubrication of small, delicate mechanisms and gaskets. Grease plastic, guides, cables, grooves, runners and locks. White – Operating temperature: -20 to +50°C.

EXTREME PRESSURE GREASES

743 CT 143
grade 3 grease, thread sealant
Lubrication and thread sealant. Thick and pasty grease allows, in one single step lubrication and thread sealing of all types of waterworks and faucets. Amber – Operating temperature: -20 to +165°C.

625 CT 12 G
graphite grease
Greasing under very heavy load, fights effectively against wear thanks to presence of micronised graphite. Has an extremely low coefficient of friction. Black. Operating temperature: -30 to +165°C.

608 CT 4
MoS2 grease
Greasing under very heavy load, fights effectively against wear thanks to presence of MoS2. Safety lubricant. Grey black. Operating temperature: -30 to +165°C.

602 CT 14
multi-purpose with Lithium
Operating temperature: -30°C to +165°C. Light amber.
A PMUC range that is full of energy...

Understanding your problems, anticipating your needs and complying with the standards of your trades... ORAPI is committed to you in proposing high-quality products.

ORAPI designs, manufactures and sells all consumables required for the upkeep, industrial maintenance and construction of machines.

In response to all your problems, explore our range of highly technological products that are reliable and tested to ensure perfect manufacture or maintenance of your machines.

Our contracts:

PMUC products contract No. C92C6T0170
Additional products (except PMUC with favourable ATNU) contract No. CB2C6T0170
Products Lubricants contract No. C90CT82200Z

and

PMUC products except contract framework
Products with PMUC approval pending

Manufacturing site and registered office
Parc Industriel de la Plaine de l’Ain - 225, allée des Cèdres
01150 Saint-Vulbas - FRANCE
Tel. +33 (0)4 74 40 20 25 - Fax +33 (0)4 74 40 20 26
contact@orapi.com
www.orapi-maintenance.com

De-seize, clean, lubricate, assemble and protect with ORAPI, the maintenance and process expert for the past 45 years.