



DEMS (PTY) LTD

DARGELLS ENGINEERING & MACHINERY SALES (PTY) LTD.

YEARS OF EXCELLENCE

Industrial Adhesives



For over 35 years, DEMS is proud to have been the industrial engineering agent for the LOCTITE range of products in KwaZulu Natal.

LOCTITE products are used in markets as diverse as electronics, automotive, aerospace, machine building, as well as many fields of general industry.

The LOCTITE product range includes solutions for industrial production, industrial maintenance, and automotive care & maintenance. LOCTITE are world leaders in assembly applications, including threadlocking, gasketing, silicones, and instant adhesives. Supplementary LOCTITE product lines include lubricants, mould release agents, cleaners and other specialty products.



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Threadlocking

• Single-component • Locks and seals all threads • Clean and easy to apply • Reduces inventory costs • Resists vibration

HANDYHINTS:

If the treatment is applied below 5°C, pre-treatment with Loctite 7240 or Loctite 7649 is advised.

WICKING GRADE	ARE THE METAL PARTS ALREADY ASSEMBLED?					
	YES	NO				
	WHAT STRENGTH DO YOU REQUIRE?					
	MEDIUM / HIGH	LOW	MEDIUM		HIGH	
LIQUID	LIQUID	LIQUID	SEMI-SOLID	LIQUID	LIQUID	SEMI-SOLID
Up to M 6	Up to M 36	Up to M 36	Up to M 50	Up to M 20	Up to M 36	Up to M 50
3 hrs	6 hrs	2 hrs	6 hrs	6 hrs	6 hrs	6 hrs
10 Nm	6 Nm	20 Nm	6 Nm	6 Nm	6 Nm	6 Nm
-55°C to +150°C	-55°C to +150°C	-55°C to +150°C	-55°C to +150°C	-55°C to +150°C	-55°C to +150°C	-55°C to +150°C

SOLUTION

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|--|---|---|---|--|---|--|
| Loctite® 290 <ul style="list-style-type: none">Ideal for locking pre-assembled fasteners. | Loctite® 222 <ul style="list-style-type: none">Ideal for low-strength threadlocking of adjusting screws. | Loctite® 243 <ul style="list-style-type: none">Effective on all types of metal threaded fasteners. | Loctite® 248 <ul style="list-style-type: none">Effective on all types of metal threaded fasteners. | Loctite® 2701 <ul style="list-style-type: none">Ideal for permanently locking studs on engine blocks & pump housings. | Loctite® 278 <ul style="list-style-type: none">Use on threaded parts where degreasing is not possible. | Loctite® 268 <ul style="list-style-type: none">Ideal for difficult to access areas or on fixed parts. |
|--|---|---|---|--|---|--|

Retaining

• Single-component • Fills all voids – 100% contact • Prevents corrosion • Even stress distribution across the joint • Suitable for high loads

HANDYHINTS:

Degrease, clean and dry surfaces prior to applying the adhesive – use Loctite 7063.

WICKING GRADE	IS THE ASSEMBLY VERY LOOSE OR BADLY WORN?					
	YES	NO				
	GEL	DISASSEMBLY REQUIRED		NO DISASSEMBLY REQUIRED		
		WHAT OPERATING TEMPERATURE IS REQUIRED?				
				UP TO 175°C	UP TO 150°C	
					GAP < 0.25mm	GAP < 0.1mm
	LIQUID	SEMI-SOLID	LIQUID	LIQUID	LIQUID	
	Up to 0.5mm	Up to 0.1mm	Up to 0.15mm	Up to 0.15mm	Up to 0.25mm	Up to 0.1mm
	High	Medium	Medium	High	High	High
	20 min.	30 min.	30 min.	5 min.	8 min.	8 min.
-55°C to +150°C	-55°C to +150°C	-55°C to +150°C	-55°C to +175°C	-55°C to +150°C	-55°C to +150°C	

SOLUTION

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| Loctite® 660 <ul style="list-style-type: none">Ideal for repairing worn coaxial parts without remachining. | Loctite® 641 <ul style="list-style-type: none">Ideal for parts that need subsequent dismantling. | Loctite® 668 <ul style="list-style-type: none">Ideal for difficult to access areas or on fixed parts. | Loctite® 648 <ul style="list-style-type: none">Ideal for retaining of parts with a clearance or interference fit. | Loctite® 638 <ul style="list-style-type: none">Ideal for shafts, gears, pulleys and similar cylindrical parts. | Loctite® 603 <ul style="list-style-type: none">For use on cylindrical fitting parts where thorough degreasing is not possible. |
|---|---|--|--|---|---|

Pipe and Thread Sealing

• Single-component • Replaces all tapes and hemp & paste • Does not creep, shrink or block systems • Permits disassembly

HANDYHINTS:

If the treatment is applied below 5°C, pre-treatment with Loctite 7240 or Loctite 7649 is advised.

WICKING GRADE	ARE THE PARTS METAL OR PLASTIC?					
	METAL, PLASTIC OR A COMBINATION OF BOTH		METAL			
	NEED TO MAKE POST ASSEMBLY ADJUSTMENTS?		ARE THE THEADS FINE OR COARSE?			
	YES	NO	FINE	COARSE		
	CORD	GEL	LIQUID	GEL	GEL	SEMI-SOLID
Substrate to be sealed	Metal, plastic or both	Metal, plastic or both	Metal	Metal	Metal	Metal
Maximum pipe size	Tested to 4"	3"	3/4"	3"	3"	3"
Disassembly strength	Low	Low	Medium	Medium	Medium	Low
Instant low pressure seal	Yes (full pressure)	Yes	No	Yes	Yes	Yes
Operating temperature	-50°C to +130°C	-50°C to +150°C	-55°C to +150°C	-55°C to +150°C	-55°C to +150°C	-55°C to +150°C

SOLUTION

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|---|--|--|---|--|---|
| Loctite® 55 <ul style="list-style-type: none">Non curing, immediate, full pressure seal. | Loctite® 5331 <ul style="list-style-type: none">Ideal for use on threaded plastic or plastic/metal fittings carrying hot or cold water. | Loctite® 542 <ul style="list-style-type: none">Ideal for fine threads as used in hydraulic, pneumatic & general fittings. | Loctite® 577 <ul style="list-style-type: none">General purpose sealant for all coarse metal threads. | Loctite® 572 <ul style="list-style-type: none">Suitable for coarse metal threads. | Loctite® 561 <ul style="list-style-type: none">Ideal for all coarse metal threads where disassembly is required. |
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Gasketing

• Single-component • Fills all voids – No fine surface finish needed • No shimming – No need for re-torquing • Excellent instant seal

HANDYHINTS:

Remove residues of old gaskets with Loctite 7200 Gasket Remover.

WICKING GRADE	DOES THE EXISTING GASKET NEED TO BE USED AS A SHIM?				
	YES	NO			
	POSITIONING CUT GASKETS	WHAT GAP MUST THE SEALANT FILL?			PLASTIC OR COMBINED PLASTIC/METAL
		UP TO 0.25mm	METALS	GREATER THAN 0.25mm	
	SEMI-SOLID	SEMI-SOLID	GEL	PASTE	PASTE
Flange type	Rigid or Flexible	Rigid	Rigid	Rigid	Flexible
Cure method	Anaerobic	Anaerobic	Anaerobic	Anaerobic	Moisture
Oil resistance	Good	Good	Excellent	Excellent	Good
Water/glycol resistance	Good	Good	Excellent	Excellent	Excellent
Operating temperature	-55°C to +150°C	-55°C to +150°C	-55°C to +150°C	-55°C to +150°C	-60°C to +200°C

SOLUTION

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|--|--|---|---|--|
| Loctite® 534 <ul style="list-style-type: none">Applicable for holding pre-cut gaskets in place during assembly. | Loctite® 548 <ul style="list-style-type: none">Ideal for use on all types of rigid iron, steel and aluminium flanges. | Loctite® 574 <ul style="list-style-type: none">Use on rigid metal parts, eg: cast iron components and pump housings. | Loctite® 518 <ul style="list-style-type: none">Ideal for use on rigid iron, steel and aluminium flanges. | Loctite® 5699 <ul style="list-style-type: none">Ideal for sealing all types of flanges including stamped sheet metal. |
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