



**High Quality - High Performance  
Engineering Adhesives & Sealants**

# **MAINTENANCE REPAIR OVERHAUL**

- ✓ **THREADLOCKERS**
- ✓ **RETAINERS**
- ✓ **SEALANTS & GASKET MAKERS**
- ✓ **CYANOACRYLATES**
- ✓ **RTV SILICONES**
- ✓ **EPOXY STICKS**
- ✓ **ANCILLARIES**

***Quality and Performance at the Right Price***



**Made in U.K.**

MROFIX™ engineering adhesives & sealants are suitable for almost any Industrial and Engineering, **Maintenance, Repair and Overhaul** application.

The range of MROFIX™ products featured in this brochure include Anaerobic & Cyanoacrylate Adhesives and Silicone & Epoxy Sealants.

Our range of Anaerobic Adhesives include Threadlockers, Retainers and Pipe Sealants and Gasket Makers.

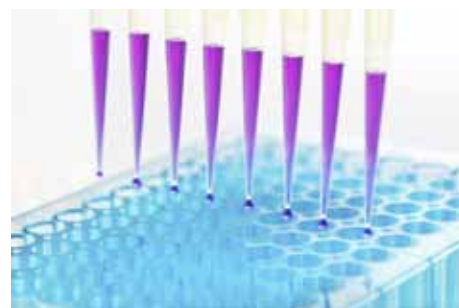
Our Cyanoacrylate Adhesives include our Super Bond and Ultra Bond ranges.

***MROFIX™ products offer excellent value for money with high quality and high performance at the right price.***

**High Quality**

To ensure high quality and complete peace of mind, all MROFIX™ products...

- ✓ Are manufactured in the UK to ISO9001
- ✓ Are individually Batch and Best Before Date stamped
- ✓ Have a Material Safety Data Sheet (MSDS) available
- ✓ Are REACH and CHIP/CLP compliant



**High Performance**

The typical high performance figures of each MROFIX™ product is recorded on its Technical Data Sheet (TDS)

A summary of this data is also included in this brochure for ease of comparison and selection of the required products.

As substrate material differences and environmental factors can effect product performance we recommend that Product Data (TDS and Brochure) should be used as a guide only.

We always advise testing the product and intended application before use to ensure suitability.

**Performance Data**

All typical performance data should be used as a comparison and guide only. It is recommended that you test for the required performance on the materials and applications before use.

Viscosities are measured using the Brookfield Spindle method for the Anaerobic Adhesives and Cone & Plate for the Cyanoacrylate Adhesives.

Breakloose Torque is the measure of force required to initially break the bond. This is done using the DIN 54454 method on M10 threads with 5Nm on torque.

Prevailing Torque is the measure of force required to remove the fastener after initial Breakloose.

Sheer Torque is the measure using the DIN54452 pin and collar method.



## Bottles & Packaging

All Anaerobic bottles are 'breathable' to allow oxygen to penetrate to the liquid product.

The oxygen keeps the product from curing.

All Cyanoacrylate bottles are 'Air Tight' to prevent oxygen and moisture from penetrating to the liquid product.

This keeps the product from curing. Each bottle also features the 'Pin in Cap' design which keeps the nozzle free from blockages.

Many of our products come in handy display boxes where the products are presented for ease of selection.



## Brochure

Each Product Group has its own section. Each section features each product with a handy product chart including typical performance data for easy comparison and selection.

Many products are also colour coded from the liquid product to the label to the brochure.



## Ordering

All our products have Product Names and Codes which makes ordering what you need simple and easy.

Each Product Code is made up of 3 sections. 1st section is the Product Family, 2nd is the Product and 3rd is the Size.

For example, to order a box of the Threadlocker, Nutlocker - 50ml, order TL-NU1-50 x 12

We have a wide range of very easy to apply, single compound, threadlockers available in a range of strengths, viscosities, gap filling capabilities and bottle sizes.

Our threadlockers prevent vibration loosening of fasteners and replace the need for traditional mechanical locking methods such as locking nuts and split pins.

They can also help to seal against leakage and corrosion by offering fluid and moisture resistance.

We also have Dynamic Torque products which means that an increase in Torque is required to Prevail the thread after Breakloose Torque is applied.



**TL-SC1 SCREWLOCKER**

- ✓ Low Strength - Removable
- ✓ Medium Viscosity
- ✓ High Gap Fill
- ✓ For Small Threads & Soft Metals

**TL-NU1 NUTLOCKER**

- ✓ Medium Strength - Removable
- ✓ Medium Viscosity & Gap Fill
- ✓ Oil Tolerant

**TL-SD1 STUDLOCKER**

- ✓ High Dynamic Strength - Permanent
- ✓ Low Viscosity & Gap Fill

**TL-SD3 STUDLOCKER**

- ✓ High Dynamic Strength - Permanent
- ✓ Medium Viscosity & Gap Fill
- ✓ Will Perform On Lightly Oiled Surfaces
- ✓ For Fine & Coarses Threads

**TL-SD5 STUDLOCKER**

- ✓ High Dynamic Strength - Permanent
- ✓ Medium Viscosity & Low Gap Fill
- ✓ High Temperature
- ✓ Chemical, Fuel and Lubricant Resistant



Market Xref	Product Code	Product Name	Viscosity (cps)	Initial Strength (mins)	Functional Strength (mins)	Final Strength (hours)	Break Torque (N.m.)	Prevail Torque (N.m.)	Max Thread Diameter	Gap Fill (mm)	Operating Temp (°c)	10ml (x20)	50ml (x12)	250ml (x4)
222	TL-SC1	Screwlocker	1200 tx <sub>1</sub>	15	30 - 60	12	10 to 20	6 to 20	M36	0.5	-55 to +150	£4.25	£16.25	£73.00
243	TL-NU1	Nutlocker	1500 to 2200 <sub>1</sub>	<15	30 - 60	12	<21	<15	M36	0.25	-55 to +160	£4.25	£16.25	£73.00
270	TL-SD1	Studlocker	850 <sub>1</sub>	15	30 - 60	12	<40	<55	M36	0.15	-53 to +150	£4.25	£16.25	£73.00
262	TL-SD3	Studlocker	1200 to 2500 <sub>1</sub>	15	30 - 60	12	20 to 50	25 to 55	M36	0.15 to 0.25	-55 to +150	£4.25	£16.25	£73.00
271	TL-SD5	Studlocker	1000 to 1200 <sub>1</sub>	10 to 20	60 to 180	5 to 10	<30	<45	M20	0.15	-55 to +175	£4.25	£16.25	£73.00

<sub>1</sub> Brookfield Sp3@20rpm

We have a wide range of very easy to apply, single compound Retainers available in a range of strengths, viscosities, gap filling capabilities and bottle sizes.

Our Retainers are suitable for bonding smooth parts, cylindrical parts such as shafts, bearings and gears as well as flat parts such as shims and sheets.

They can also help to seal against leakage and corrosion by offering fluid and moisture resistance.

All of our Retainers feature Dynamic Torque which means that an increase in Torque is required to Prevail the thread after Breakloose Torque is applied.



**RT-LV1 RETAINER LV**

- ✓ High Strength Retainer
- ✓ Low Viscosity & Gap Fill
- ✓ Oil Tolerant

**RT-HT1 RETAINER HT**

- ✓ High Strength & Temperature
- ✓ Low Viscosity & Gap Fill
- ✓ Non Corrosivity

**RT-MV1 RETAINER MV**

- ✓ High Dynamic Strength
- ✓ Medium Viscosity & Gap Fill
- ✓ Low Corrosivity
- ✓ Fast Cure

**RT-BF1 BEARING FIT**

- ✓ Medium Strength - Removable
- ✓ Medium Viscosity & Gap Fill

**RT-HV1 RETAINER HV**

- ✓ High Dynamic Strength & Temperature
- ✓ High Viscosity & Medium Gap Fill
- ✓ Non Corrosivity



Market Xref	Product Code	Product Name	Viscosity (cps)	Initial Strength (mins)	Functional Strength (mins)	Final Strength (hours)	Break Torque (N.m.)	Prevail Torque (N.m.)	Max Thread Diameter	Gap Fill (mm)	Operating Temp (°c)	10ml (x20)	50ml (x12)	250ml (x4)
603	RT-LV1	Retainer LV	125 <sub>1</sub>	<15	120 to 240	12 to 24	<40	<50	M36	0.1	-53 to +155	£4.25	£16.25	£73.00
638	RT-MV1	Retainer MV	2500 to 3000 <sub>1</sub>	5	30 to 60	4 to 6	>40	>45	M36	0.2	-55 to +150	£4.25	£16.25	£73.00
620	RT-HV1	Retainer HV	5,000 to 7,000 <sub>1</sub>	20 to 30	120 to 240	12 to 24	>40	>50	M36	0.2	-53 to +230	-	£16.25	£73.00
648, 640	RT-HT1	Retainer HT	600 to 1000 <sub>1</sub>	5 to 30	80 to 120	12 to 24	>40	>50	M36	0.15	-55 to +180	-	£16.25	£73.00
641	RT-BF1	Bearing Fit	1200 to 2200 <sub>1</sub>	10 to 15	120 to 180	12 to 24	<20	<15	M36	0.2	-55 to +150	£4.25	£16.25	£73.00

<sup>1</sup> Brookfield Sp3@20rpm

We have a wide range of very easy to apply, single compound, Pipe Sealants & Gasket Makers available in a range of strengths, viscosities, gap filling capabilities, cure speeds and bottle sizes.

Our Pipe Sealants lock and seal pipe threads to prevent vibration loosening and leakage and replace the need for traditional PTFE tapes.

Our Gasket Makers provide a sealed joint between two flanges or surfaces and replace the need for pre-cut gaskets.

Our Pipe Sealants and Gasket Makers are for use with Water, Oil, Gas and Fuels.



**PS-SC1 PIPE SEALANT SC**

- ✓ Slow Cure
- ✓ Instant Low Pressure Seal
- ✓ Fine & Course Threads

**GM-FC1 GASKET MAKER FC**

- ✓ Fast Cure
- ✓ Thixotropix Gel
- ✓ High Temperature

**PS-FC1 PIPE SEALANT FC**

- ✓ Fast Cure
- ✓ BSEN751-1 Approved
- ✓ Medium & Course Threads

**GM-SC1 GASKET MAKER SC**

- ✓ Slow Cure
- ✓ High Viscosity & Temperature
- ✓ Rigid Parts - Any Shape

**PS-HS1 HYDRAULIC SEALANT**

- ✓ Fast Cure
- ✓ Slightly Thixotropix
- ✓ High Strength & Pressure



Market Xref	Product Code	Product Name	Viscosity (cps)	Initial Strength (mins)	Functional Strength (mins)	Final Strength (hours)	Break Torque (N.m.)	Prevail Torque (N.m.)	Max Thread Diameter	Gap Fill (mm)	Operating Temp (°c)	50ml (x12)	250ml (x4)
572	PS-SC1	Pipe Sealant SC	50,000 to 60,000 <sub>2</sub>	48 hours	<720	60	6	2	3"	0.4	-55 to +150	£16.25	£73.00
577	PS-FC1	Pipe Sealant FC	60,000 to 85000 <sub>2</sub>	15 to 30	60 to 180	3 to 6	15 to 20	10 to 15	3"	0.5	-55 to +150	£16.25	£73.00
542	PS-HS1	Hydraulic Sealant	1000 to 1500 <sub>1</sub>	10 to 20	60 to 180	12	<24	15 to 35	20mm	0.05 to 0.25	-55 to +150	£16.25	£73.00
574	GM-FC1	Gasket Maker FC	75,000 to 90,000 <sub>2</sub>	20 to 30	60 to 180	12 to 24	12 to 20	6 to 14	N/A	0.5	-55 to +180	£16.25	£73.00
510	GM-SC1	Gasket Maker SC	450,000 to 550,000 <sub>2</sub>	<12 hours	<720	<12	<16	<12	N/A	0.4	-55 to +180	£16.25	£73.00

<sub>1</sub> Brookfield Sp3@20rpm    <sub>2</sub> Brookfield Sp6@10rpm

We have a wide range of very easy to apply, single compound, Cyanoacrylate Adhesives available in a range of strengths, viscosities, gap filling capabilities, cure speeds and bottle sizes.

Our Cyanoacrylates allow fast bonding of almost any substrates, in many cases the bond is stronger than the substrate material.

All of our Super Bond and Ultra Bond adhesives are suitable for most metals, plastics, rubbers, ceramics and many other materials.

Super Bond adhesives offer excellent performance on most materials

Ultra Bond adhesives are Surface Insensitive and more suitable for difficult to bond plastics and acidic materials such as leathers, woods, paper and textiles.

Higher viscosity adhesives are more suitable for porous materials.

We also have specialist adhesives which are more suited to specific applications for example SB-LO1 which is a Low Odour and Low Bloom.

**SB-LV1 SUPER BOND LV**

- ✓ General Purpose
- ✓ Low Viscosity & Gap Fill
- ✓ Very Fast Cure

**SB-HV1 SUPER BOND HV**

- ✓ General Purpose
- ✓ High Viscosity & Gap Fill
- ✓ Fast Cure

**UB-LV1 ULTRA BOND LV**

- ✓ Surface Insensitive - Acidic & Difficult Substrates
- ✓ Low Viscosity & Gap Fill
- ✓ Fast Cure

**UB-MV1 ULTRA BOND MV**

- ✓ Surface Insensitive - Acidic & Difficult Substrates
- ✓ Medium Viscosity

**UB-GL1 ULTRA BOND GEL**

- ✓ Surface Insensitive - Acidic & Difficult Substrates
- ✓ Thixotropix Gel
- ✓ High Temperature

**UB-LV5 ULTRA BOND LV EXTRA**

- ✓ Surface Insensitive
- ✓ For Acidic & Extremely Difficult Substrates
- ✓ Low Viscosity & Fast Cure

**SB-LO1 SUPER BOND LO**

- ✓ Low Odour & Low Bloom
- ✓ Low Viscosity & Gap Fill

**SB-RT1 SUPER BOND RT**

- ✓ Rubber Toughened
- ✓ High Viscosity & Gap Fill

Market Xref	Product Code	Product Name	Viscosity (cps)	Fix Time (secs)	Cure Time (Secs)	Steel to Steel (N/mm2)	Plastic to Plastic (N/mm2)	Rubber to Rubber (N/mm2)	Gap Fill (mm)	Operating Temp (°c)	5g (x12)	20g (x20)	50g (x12)	500g (x4)
495	SB-LV1	Super Bond LV	50	2 to 7	<10	<27.5	>10 SF	>7 SF	0.1	-60 to +90	£3.75	£8.50	£16.25	£73.00
416	SB-HV1	Super Bond HV	1500	15 to 20	<30	<32	>10 SF	>7 SF	0.25	-60 to +90	£3.75	£8.50	£16.25	£73.00
406	UB-LV1	Ultra Bond LV	20	1 to 5	24 h	<30	SF	SF	0.1	-60 to +90	-	£10.50	-	-
401	UB-MV1	Ultra Bond MV	120	<10	<15	<20	<15	<10	0.1	-60 to +80	-	£10.50	-	-
454	UB-GL1	Ultra Bond Gel	50000 tx	<60	24 h	<26	<20	<15	0.05 to 0.2	-50 to +120	-	£10.50	-	-
4061, 406	UB-LV5	Ultra Bond LV Extra	20	1 to 5	24 h	>30	>30 SF	>30 SF	0.1	-60 to +90	-	£10.50	-	-
460	SB-LO1	Super Bond LO	50	15 to 30	<30	<22	16 SF	10 SF	0.1	-50 to +80	-	£10.50	-	-
480	SB-RT1	Super Bond RT	1000	<60	24 h	<30	<20	<15	0.05 to 0.2	-50 to +80	-	£10.50	-	-

SF = Substrate Failure

Can be used as Sealant or Gasket Maker. Excellent resistance to water, oil, grease, smoke hot toxic gases.

Suitable for metal, plastics, glass and ceramics and are solvent free with low shrinkage.

**SL-BLK is OEM SPECIFIED PERFORMANCE TO GM 9985443 TYPEIII**

Our unique 200ml piston pack allows for complete control with the adjustable flow in any direction.

## SL-BLK-200 RTV SILICONE - BLACK

- ✓ Temperature Resistant -40 to +232 °C
- ✓ Oil Resistant
- ✓ Quick Drying
- ✓ Low Volatility

Market Xref	Product Code	Product Name	Viscosity (cps)	Tack Free Time (mins)	Cure Time	Tensile at Break (Mpa)	Elongation at Break	Gap Fill (mm)	Operating Temp (°c)	200ml (x12)
5910/598	SL-BLK-200	RTV Silicone - Black	Paste	12	3mm /day	0.6	550%	<10	-40 to +232	£20.50

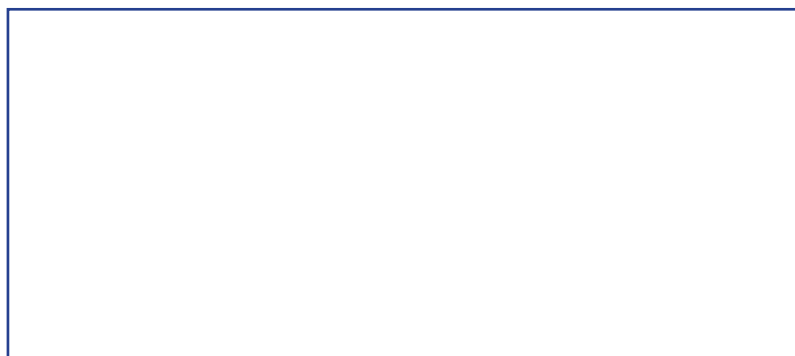
Epoxy sticks, easy to use repair for Steel.

Once cured it can be drilled, sanded, filed and painted for invisible repairs.

Product Code	Product Name	Opening Time (mins)	Initial Cure (mins)	Full Cure (hours)	Lap Shear Strength (N/mm2)	Shore D Hardness	Compressive Strength (N/mm2)	Compressive Strength (psi)	Max Operating Temp (°c) Continuous	Max Operating Temp (°c) Intermittent	178mm / 4oz (x24)
ES-GRY-178	Steel Epoxy Stick - Grey	5	60	24	6.2	80	84	12,000	120	150	£20.50

We have a range of ancillary products for use with our Cyanoacrylate and Anaerobic Adhesives & Sealants.

Market Xref	Product Code	Product Name	List	Box Qty
7061	GP-CD1-400	Powerful Solvent Cleaner / Degreaser 400ml Aerosol	£16.25	12
7649/7471	AN-AC1-200	Anaerobic Activator 200ml Aerosol	£16.25	12
7113	CA-AC1-200	Cyanoacrylate Activator 200ml Aerosol - High Speed, Low Bloom, Non Yellowing	£16.25	12
	CA-DB1-28	Cyanoacrylate Debonder 28g	£8.50	10



## MROFIX™ Adhesives

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