Lubrication Instruction Guide for Rail Infrastructure

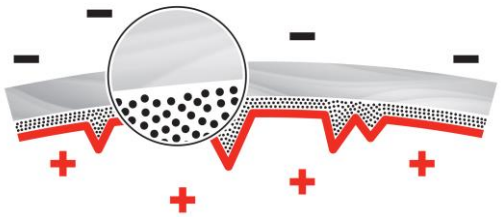
T **INTERFLON Track Instructions**

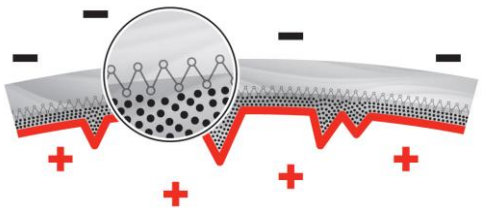
Aus Version 7.1

MELVELLE EQUIPMENT CORP.

Our unique MicPol® technology

The signature technology in Interflon lubricants for 40 years





- Developed in-house by our team of scientists
- **Mic**ronisation and **Pol**arization of solid particles
- Our R&D recently found other, more **sustainable** solids
- At the same time, they improved our MicPol® technology by **polarizing some of the base oil**
- Penetrating even deeper into the pores of the surface and forming a '**bonding bridge'** between the solids and the rest of the lubricant

Lubricating with MicPol® technology:

- Helps prevent metal-metal contact and stick-slip
- Repels water protecting against corrosion
- Reduces friction to a minimum

INTERFLON

Interflon Lubrication Instructions for Track

T

T1 Slide Chair Lubrication
T2 Switch Tip 053
T3 Clamp Lock Lubrication
T4 Auto-Lube Clamp Lock
T5 Supplementary Detectors
T6 HW Point Machine
T7 Point Machine Style 63
T8 Ground Frame Mechanical
T9 Facing Point locks
T10 Roller Rejuvenation
T11 Grease Point Lubrication
T12 Fish Plates Lubrication
T13 Breather, Scarf and Expansion Joints
T14 Bowmac
T15 Barriers
T16 Pandrol Clip Release
T17 Corrosion Protection
T18 Train Stops
T19 Semaphore Signals
T20 Interlocking Lever Frame Lubrication
T21 Railhead Cleaner
T22 Fixings Thread Protection – Paste HT1200
T23 Cleaning Speed Boards
T24 Cleaning Stretcher Bars

MELVELLE EQUIPMENT CORP.

Slide Chair – Interflon Lubrication Instruction **T1a**

T1a

Full Clean Conversion Process

Day 1 (Conversion)

1. Remove the thick old grease/lube from the slide chair and all surrounding areas with metal scrapers.
2. Spray the slide chair and surrounding area with **EM30+** and agitate with a nylon brush to remove any residue grease.
3. Complete the cleaning preparation process by spraying the slide chair with **Metal Clean F** and wiping it with a clean cloth
4. Spray under the switch rail with **Lube TF**. Operate the switch several times to allow dirt to be removed from under the switch rail, then wipe the slide chairs with a cloth.
5. Apply 4ml of **Lube EPR** onto the slide chairs near the switch rail on the open side, then spread evenly over the slide chair using a long handle Brush.

(Repeat this application - steps 1-5 - in the reverse position)

Within 7 Days, apply a second coat.
(3 days if the switch operates more than 150/day)

1. Wipe slide chairs with a clean cloth.
2. Apply 4ml of **Lube EPR** onto the slide chairs near the switch rail on the open side, then spread evenly over the slide chair using a long handle brush.(Repeat this application in the reverse position)

MAINTENANCE (**Every 2-8 weeks**)*

1. **Do not use Degreaser!** - if cleaning is required, use **Lube EPR**, agitate with a nylon brush and wipe with a cloth.
2. Apply 4ml of **Lube EPR** onto the slide chairs at the foot of the switch Rail: this only needs to be done in the position the switch rail is found. On roller layouts, apply 2ml to both sides up to the stock rail and spread with a long-handled brush.

** Please see Slide Chair lubrication notes.*

Slide Chair – Interflon Lubrication Instruction **T1b**

T1b

Faster Conversion Process

Day 1 (Conversion)

1. Remove the thick old grease with metal scrapers from the slide chair and surrounding areas

2. Spray under the switch rail with **Lube TF**, **especially** the last few Slide Chairs at the heel of the switch.

3. Apply **Lube EPR** (4-8ml) onto all Slide Chairs close to the switch rail foot in the fixed position.

Then once every week for the next 7 weeks.

1. Wipe slide chairs with a clean cloth to remove any dirt.

2. Apply **Lube EPR** (4-8ml) onto all Slide Chairs close to the switch rail foot in the fixed position.

This will gradually remove the old lubricant and coat all surfaces with **Lube EPR**.

MAINTENANCE (Every 4-8 weeks)*

Do not use Degreaser! - if cleaning is required, use **Lube EPR**, agitate with a nylon brush and wipe with a cloth.

Apply 4ml of **Lube EPR** onto the slide chairs close to the switch rail; this only needs to be done in the position the switch rail is found.
On roller layouts, every **13 weeks,** apply 2ml to both sides up to the stock rail and spread with a long-handled brush.

** Please see slide chair lubrication notes.*

Slide Chair – Interflon Lubrication Notes

Slide Chair Lubrication Notes:

1. Once the above Instruction has been completed (T1a/b), only use Interflon **Lube EPR** to clean and lubricate Slide Chairs.

2. Remove contamination when seen with a clean cloth.

3. Apply only 2ml of Interflon **Lube EPR** in areas of high contamination and brush in to decrease dry time.

4. The **frequency** of **4 weeks** is only a guide; however, for points that are trouble-free, a frequency of **8 weeks** can be achieved. Points at busy junctions (Switches with more than 150 movements per day) may need to be decreased to every **2 weeks**.

5. Suitable for **all types** of Slide Chair, including plastic and graphite round inserts.

6. Hy-Drive switches length G&H must only be lubricated with **Lube EPR** after the last SO unit.

7. When Slide Chairs are heavily contaminated or sticky, spray with Interflon **Lube EPR** and agitate with a nylon brush, then remove contamination with a clean cloth; this rejuvenates the Slide Chair and improves coating performance.

This is how a Slide Chair should look after treatment with **Lube EPR**

Switch Tip – Interflon Lubrication Instruction **T2**

T2

Switch Tip Lubrication

The traditional three dabs of grease used have been found to be very hit-and-miss and can lead to grease being ineffective due to drop and lack of full coverage along the planned contact surface. It also prevents the rail from being inspected for damage.

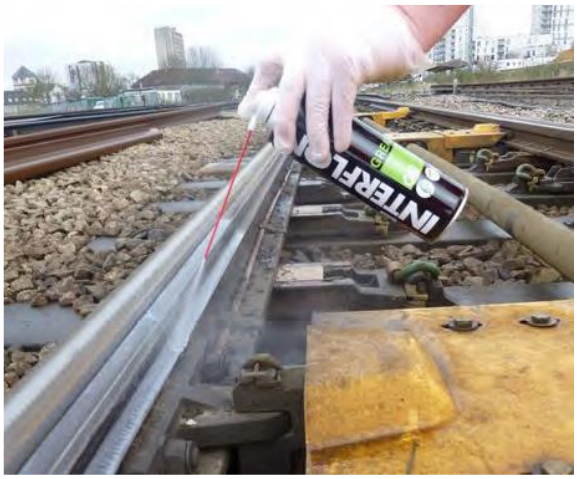
1. Remove the thick existing layer of grease with a metal scraper, then spray the area with **Metal Clean F** and wipe clean with a cloth. Power Wipes can also be used for quick cleaning.

2. Spray **Grease OG** from the switch toe all the way along the Planned contact face towards the heel, holding the straw 6” from the surface, applying an even coat.
3. Ensure that no overspray coats the top of the rail by shielding it. If This does happen; please spray some **Metal Clean F** on a cloth wipe And clean the top of the rail.

4. Remove all wipes and residue correctly.

5. Network Rail - Recoat switch tip with **Grease OG**, frequency as per the 053-inspection standard.
London Underground re-application as per instruction PM4 or S117 inspection process and work instructions for switch repair grind.

Grease OG *leaves a clear, rust-inhibiting and wear-reducing coating, which is also proven to extend the life of the switches.*



Clamp Lock – Interflon Lubrication Instruction **T3**

T3

Clamp Lock Lubrication

1. Remove old grease with metal scrapers from the body, slides, and surrounding areas.

2. Spray the pin, lock arm and slides with **Metal Clean F** / **EM30+** and agitate with a nylon brush in both open and closed positions.

3. Spray **Lube TF** into the lock arm, body, slides and pin. Operate the Switch and rotate the pin to draw out contamination, then use a cloth to clean all surfaces.

4. Lightly spray **Lube EPR** into cams, slides, body, lock arm and contact surfaces, then brush all surfaces using a long handle brush, not forgetting the underside of slides. Wipe the lock arm with a cloth to prevent contamination.

MAINTENANCE

1. **Do not use Degreaser!** - if cleaning is required, use **Lube EPR**, agitate with a nylon brush and wipe with a cloth.

2. Spray **Lube TF** into the bush and pin; rotate the pin to draw out contamination, then use a cloth to clean all surfaces.

3. Lightly spray **Lube EPR** into cams, slides, body, lock arm and contact surfaces, then brush all surfaces using a long handle brush, not forgetting the underside of slides. Wipe the lock arm with a cloth to prevent contamination.

Grease Points – Lubrication Instruction **T11**

T11

Grease Applications

*Interflon **Grease MP1** is a unique lithium complex grease with MicPol® technology; this coates surfaces to provide a low friction coating, which withstands shock loads and resists water washout. Interflon **Grease MP1** has a temperature range of -30°C to 145°C, making it suitable for all seasons.*

1. Wipe the grease nipple and the surrounding area with Interflon Power Wipe or a clean cloth, **do not use a cleaner/degreaser** as this will remove the grease from the fittings.

2. Fit the shuttle grease gun and slowly apply **Grease MP1** into the nipple and pins, allow old grease to be purged, stop applying grease when you can see fresh grease being expelled or feel back pressure.

3. If the grease point will not accept grease, remove the grease nipple and spray into the hole with **Lube TF** and replace the grease nipple.

4. Wipe all excess grease away with a clean cloth and finally smear a small amount of grease over the grease nipple to protect it.

Fishplate – Interflon Lubrication Instruction **T12**

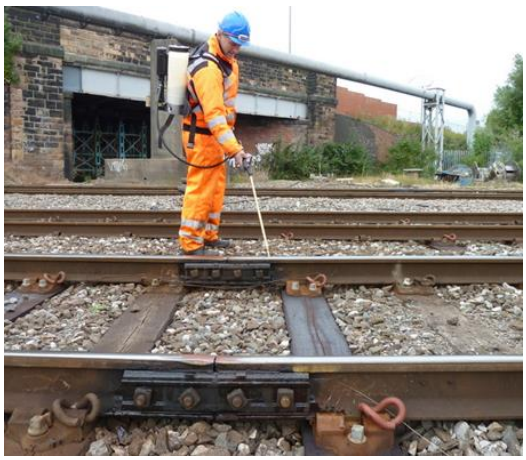
T12

Fishplate Lubrication

1. Slacken off fishplates and thoroughly clean fishing surfaces with scrapers, then use Degreaser **EM30+ or Metal Clean F** with a nylon brush. This process can be completed over a 4-year period: every 4th plate is cleaned and the other three lubricated without slackening the bolts.
2. Apply **Lube EPR** onto all Fishplate surfaces and spread evenly using a paintbrush.
3. Re-tighten bolts/fishplates to correct torque setting using an approved method.
4. Apply a maximum of 40ml of Interflon **Lube EPR** to each fish plate using the dosing applicator system (max. 80ml in total per joint). With the dose system set on 10ml, apply one dose alone on the top of the plate, then 10ml down each side and 10ml along the bottom of the plate.

MAINTENANCE

1. Re-apply Interflon **Lube EPR** every 12 months - There is no requirement to slacken off fishplates from the second application of lubricant onwards.
2. Check nut/bolt torque every two years using an approved method to loosen nuts and re-tighten them.



Breathers – Interflon Lubrication Instruction **T13**

T13

Breather & Expansion Lubrication

1. Slacken off the joint bolts.

2. Jack up the rail using a rail jack following your company procedures.

3. Thoroughly clean out the grease from the plate and joint using a scraper, Degreaser **EM30+/ Metal Clean F**, and a stiff nylon brush. Allow 5 minutes for the evaporation of **Metal Clean F.**

4. Spray **Lube EPR** onto the plate and all moving surfaces.

5. Re-assemble the joint and torque the bolts to the required setting.

MAINTENANCE

1. Re-apply Interflon **Lube EPR** every 12 months down the joint and allow it to penetrate in and under the rail.

Rail Head Cleaner *(to remove leaves and rust)*

1. Wearing gloves and glasses, carefully decant the Interflon **Clean OTR** from the 10-litre tub into a suitable spray bottle like a garden sprayer, preferably with a long lance.

2. Turning the spray nozzle on the lance tip to a jet, run a bead of **Clean OTR** up the middle of the head of the rail (not over-applying) and allow it to spread.

3. Give the product 10 minutes to react with the organic leaf matter; this will turn the leaves into a pulp, which can be removed by using water or allowing the jetting train or the wheel sets of a passing train to disperse the dissolved leaves and fluid.

Dilution rate

Very heavy leaf contamination; use neat
Light contamination: dilute 1.1 with water

Notes

Testing has proven that you only need a small amount of product to dissolve the leaf matter on the rail head. Applying too much product could lead to initial wheel adhesion slippage.

Points Machines – Interflon Lubrication Recommendations

Work Instructions	8100-600-087 – SCHEDULES OF MAINTENANCE TASKS FOR POINT MACHINES

SWITCH CIRCUIT CONTROLLERS / ELP 3319 EXTERNAL DETECTORS			
Pins	Bushes	Shafts	Cover Locks
Lube EPR	**Lube EPR**	**Lube EPR**	**Lube TF**

CLAWLOCK & SHEROLOCK		
Clawlock Fishtale Locking Faces	Clawlock Components	Spherolock Chamber
Lube EPR	**Lube EPR**	**Grease MP 1**

WESTINGHOUSE – M3A						
Lock Bar Detection Bar Drive Bar	Gears	Oil Cups & Holes Bronze Bushes Pivot Pins	Open Bearings Grease Nipples	Wear Plate Pads	Cover Lock	Clutch Plates
Lube EPR	Grease OG	**Lube EPR**	**Grease MP 1**	**Lube EPR**	Lube TF	Dry & Clean

WESTINGHOUSE – 84A						
Lock Bar Detection Bar Drive Bar	Spur Gears Worm Wheel Worm Rack Pinion Sleeve Ass	Contact Bearings Gearbox Motor Switch Toggle Main Gear box shaft	Operating Bar Bearings side case Detection Bars Pivot & roller Pins Clawlock	Cover Lock	Point Machine Chamber	Clutch Plates
Lube EPR	Grease OG	Grease OG	**Lube EPR**	**Lube TF**	Loctite No.3 Aviation Gasket Cement	Dry & Clean

SIEMENS – S 700 K					
Lock Bar Detection Bar Drive Bar	Point Machine Components	Gear Wheels	Cover Lock	Point Machine Chamber	Clutch Plates
Lube EPR	**Lube EPR**	Grease OG	**Lube TF**	Loctite No.3 Aviation Gasket Cement	Dry & Clean

Case Studies

7.0 Findings and Conclusions

During the trial of the Lube EP lubricant, the following are the findings;

1. Lubricant forms a dry film as per the manufacturer's claim on the chair plate.
   - Being dry lubricant does not attract dust, dirt and/or coal particles on the chair plate
   - There were no signalling or track failures on the trial site during the entire trial period.
   - The TFP switch operatorial time is within the allowable time limits.
   - There were no reports of a sticky switch.
2. Lubricant dry film remains effective once dry and withstands heavy rain. The rain didn't wash away the lubricant film.
3. Easy to reapply on the existing film, and no cleaning is required. Maintenance applications are much quicker compared to current practices and lubricants.
4. A much smaller quantity of Lube EP lubricant is consumed compared to other lubricants

During the trial of the Lube EP lubricant, it is concluded that;

1. The dry lubricant film is effective chair plate lubrication.
2. Remains effective once dry in adverse weather conditions
3. Time and effort will be saved on the reapplication during maintenance cycles.
4. Sustainable and relatively environmentally friendly

8.0 Recommendations

It is recommended to the asset managers to consider the use of Lube EP as a preferred chair plate lubricant. This lubricant outperforms other lubricants on performance once applied correctly. Also, the comparatively less hazardous nature of this lubricant should make it the lubricant of the choice from WH&S's point of view. The much smaller quantity required 8ml per chair plate makes it an effective choice from an economic and environmental point of view as well.

Public Transport Authority

Testing and improvements made at PTA with Network Rail Consulting and Interflon on Slide Chairs.

Removal of old Rocol lubricant from Slide Chairs, to prepare for application of Interflon coating

Application of Interflon **Lube EPR**

Results from converting to **Interflon Lube PR**

- Mandurah current and time savings with a cleaner environment.
- **50% current savings at Butler**

Norwich - Anglian Route

Steven Kaye - ASTME

Cromer 123 & 124 Points

Every year we experience points failures with leaves sticking to the slides. Since changing to Interflon no reported failures, patrol men report leaves are no longer sticking to slides and we have had no failures.

Sandwell & Dudley - LNWS Route

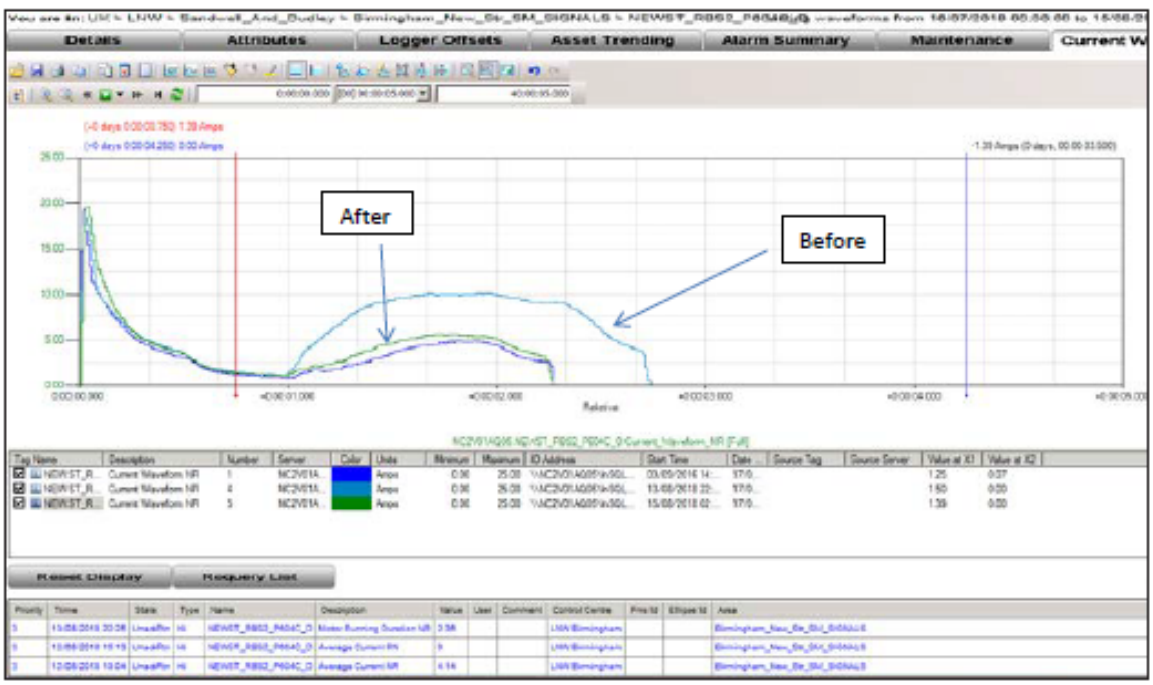
Bossie Ackerman - IME

Working with Interflon since 2015, since converting points to Interflon lubrication we have seen a 70% reduction in points failures in the area. Training was undertaken with all S&T and P-Way depo's to ensure correct application was carried out on track.

" We had a period of 60 days with no switch failures, this is unheard of "

Adam Round - Birmingham New Street

NS604 points are some of the worst we have due to water ingress and have had an RCM alarm on them for a while now. Last night the guys completed a full Interflon treatment as well as 13 week maintenance. There's still much work to be done on these (P-way issues, iron work replacement) but as you can see from the RCM traces and photo's they are vastly improved.

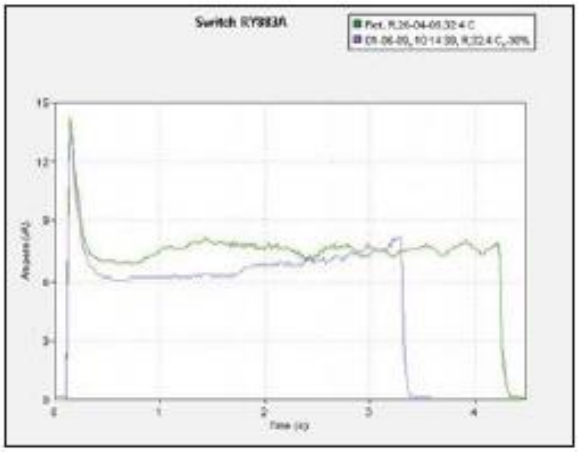


Rugby - LNWS Route

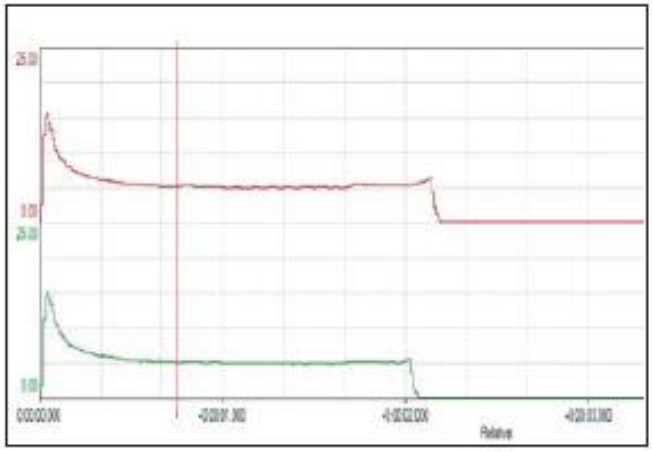
Symon Read - IME

Working with Interflon since 2008, we introduced Interflon to a Hy Drive set of points at Rugby which had been a major problem for many months.

After an hour of cleaning and lubrication with Interflon the Hy Drive points operated smoothly and carried on performing well ever since.



Clamp Locks identified as biggest failing asset, Interflon and simalube process introduced in 2015 as a masterclass, result as a DU went from 28th Nationally up to now 7th best (SAF).

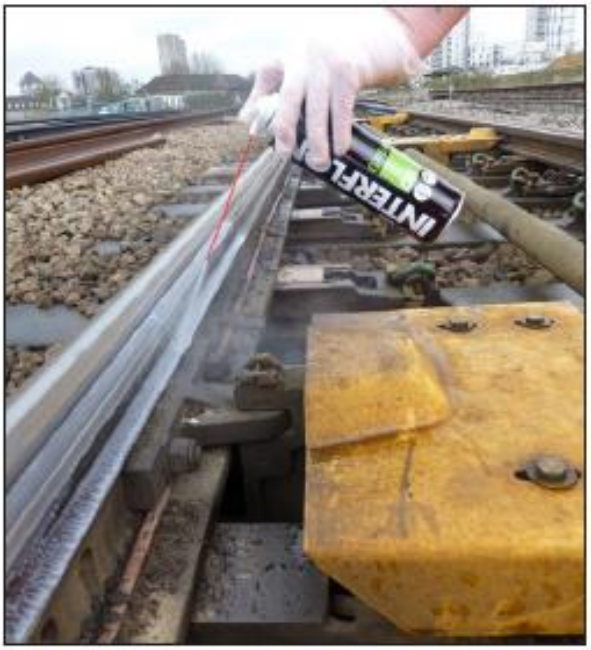


Derby - East Midlands Route

Phil Crowther - Track Section Manager

777pts and 778a pts at Sandiacre – TCC was a constant P8 failure site partly caused by the Sharpe radius and because of the shunting back and forth over these two sets of switches, this resulted in us having to plan the defect to be repaired every 2 to 3 months, however since we have been using the **OG Grease**, the failures have decreased to practically zero which is fantastic news.

Overall, on all of our 98 set of switches it seems we have had a significant reduction in P8 failures, which in my mind is because of us using the **Grease OG** spray on a weekly frequency.



Jason Wardell - IME Derby

Since the introduction of Interflon and proper application, points failures have reduced by 80%, at quarry sites, reduction from 1 failure per week to now no failures after 8 months.

Our International Clients

	• Improving reliability of AD600 breathers • Improving lubrication practises of switches for TGV • Improving environment for better visual switch inspection • Reduce failure due to contamination of slide chairs • Improve weather resistance in wet and cold weather conditions
	• Improving reliability in freezing weather extremes • Eliminating rail pad delamination and effecting toe load of the clip • Extending lubrication intervals reducing maintenance re visits • Reduce failure due to contamination of slide chairs • Improving reliability of switch machines and locking devices
	• Improving flexture at the heel of the swingnose • Improving weather resilience after heavy rain fall and flooding • Extending lubrication intervals and the ability to apply in the wet • Improving issues around throw times and motor time out • Improving reliability of switch machines and locking devices
	• Improving switch performance and maintenance frequency • Improving weather resilience after heavy rain fall • Improving environment for better visual switch inspection • Allows for inspection of switch rectification work needed
	• Improving environment for better visual switch inspection • Reduce failure due to contamination of slide chairs • Improve weather resistance in wet and cold weather conditions • Improving speed of lubrication application around switches • Extending lubrication frequency from weekly to monthly
	• Improving reliability of signalling equipment • Extending lubrication intervals reducing maintenance revisits • Using Interflon grease MP1 to prevent plugging of grease nipples • Better lubricant weather resistance properties since using Interflon
	• Improving reliability around switches and detection • Developing automatic lubrication systems to signalling equipment • Working on the wheel flange lubrication fitted to trains • Improving environmental cleaning products for equipment

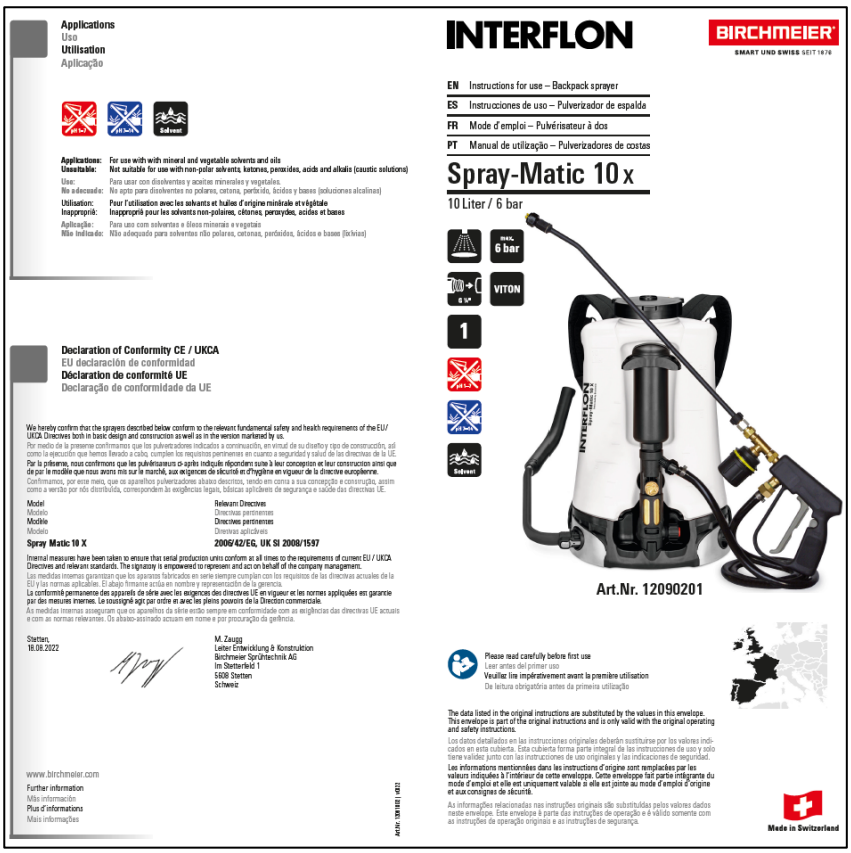
INTERFLON 10X - Backpack

The **Interflon 10X** backpack allows **Lube EPR** to be applied onto Slide Chairs and into Fish Plate joints, in exactly the correct quantity.

The backpack also enables the lubricator to be in **a safer** upright position.

Dose unit settings:

Slide Chair: 4ml
Fish Plate: 10ml x 4



Applications
Uso
Utilisation
Aplicação

Applications: For use with with mineral and vegetable solvents and oils
Unsuitable: Not suitable for use with non-polar solvents, ketones, peroxides, acids and alkalis (caustic solutions)
Uso: Para usar con disolventes y aceites minerales y vegetales.
No adecuado: No apto para disolventes no polares, cetona, peróxido, ácidos y bases (soluciones alcalinas)
Utilisation: Pour l'utilisation avec les solvants et huiles d'origine minérale et végétale
Inapproprié: Inapproprié pour les solvants non-polaires, cétones, peroxydes, acides et bases
Aplicação: Para uso com solventes e óleos minerais e vegetais
Não indicado: Não adequado para solventes não polares, cetonas, peróxidos, ácidos e bases (fortes)

Declaration of Conformity CE / UKCA
EU declaración de conformidad
Déclaration de conformité UE
Declaração de conformidade da UE

We hereby confirm that the sprayers described below conform to the relevant fundamental safety and health requirements of the EU/UKCA Directives both in basic design and construction as well as in the version marketed by us.
Por medio de la presente confirmamos que los pulverizadores indicados a continuación, en virtud de su diseño y tipo de construcción, así como la ejecución que hemos llevado a cabo, cumplen los requisitos pertinentes en cuanto a seguridad y salud de las directivas de la UE.
Par la présente, nous confirmons que les pulvérisateurs ci-après indiqués répondent suite à leur conception et leur construction ainsi que de par le modèle que nous avons mis sur le marché, aux exigences de sécurité et d'hygiène en vigueur de la directive européenne.
Confirmamos, por este meio, que os aparelhos pulverizadores abaixo descritos, tendo em conta a sua concepção e construção, assim como a versão por nós distribuída, correspondem às exigências legais, básicas aplicáveis de segurança e saúde das directivas UE.

Model / Modelo / Modèle / Modelo	Relevant Directives / Directivas pertinentes / Directives pertinentes / Diretivas aplicáveis
Spray Matic 10 X	**2006/42/EG, UK SI 2008/1597**

Internal measures have been taken to ensure that serial production units conform at all times to the requirements of current EU / UKCA Directives and relevant standards. The signatory is empowered to represent and act on behalf of the company management.
Las medidas internas garantizan que los aparatos fabricados en serie siempre cumplan con los requisitos de las directivas actuales de la EU y las normas aplicables. El abajo firmante actúa en nombre y representación de la gerencia.
La conformité permanente des appareils de série avec les exigences des directives UE en vigueur et les normes appliquées en garantie par des mesures internes. Le soussigné agit par ordre et avec les pleins pouvoirs de la Direction commerciale.
As medidas internas asseguram que os aparelhos da série estão sempre em conformidade com as exigências das directivas UE actuais e com as normas relevantes. Os abaixo-assinado actuam em nome e por procuração da gerência.

Stetten, 18.08.2022

M. Zaugg
Leiter Entwicklung & Konstruktion
Birchmeier Sprühtechnik AG
Im Stetterfeld 1
5608 Stetten
Schweiz

www.birchmeier.com
Further information
Más información
Plus d'informations
Mais informações

Art.Nr. 13918 | v023

INTERFLON

BIRCHMEIER
SMART UND SWISS SEIT 1870

EN Instructions for use – Backpack sprayer
ES Instrucciones de uso – Pulverizador de espalda
FR Mode d'emploi – Pulvérisateur à dos
PT Manual de utilização – Pulverizadores de costas

Spray-Matic 10 x

10 Liter / 6 bar

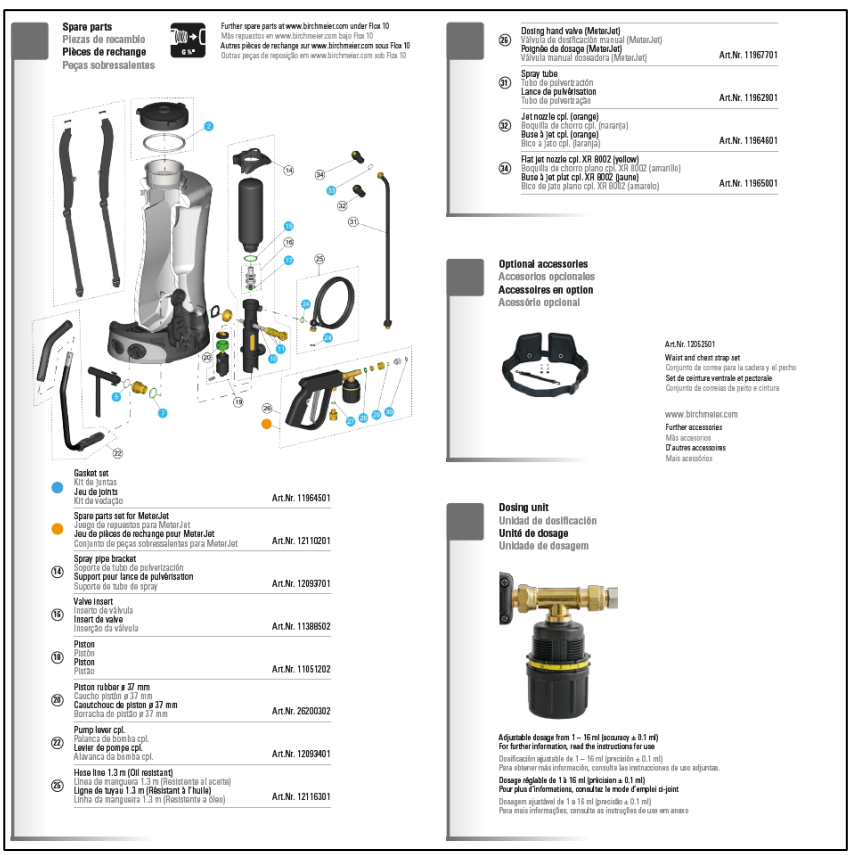
max. 6 bar
VITON
1

Art.Nr. 12090201

Please read carefully before first use
Leer antes del primer uso
Veuillez lire impérativement avant la première utilisation
De leitura obrigatória antes da primeira utilização

The data listed in the original instructions are substituted by the values in this envelope. This envelope is part of the original instructions and is only valid with the original operating and safety instructions.
Los datos detallados en las instrucciones originales deberán sustituirse por los valores indicados en esta cubierta. Esta cubierta forma parte integral de las instrucciones de uso y solo tiene validez junto con las instrucciones de uso originales y las indicaciones de seguridad.
Les informations mentionnées dans les instructions d'origine sont remplacées par les valeurs indiquées à l'intérieur de cette enveloppe. Cette enveloppe fait partie intégrante du mode d'emploi et elle est uniquement valable si elle est jointe au mode d'emploi d'origine et aux consignes de sécurité.
As informações relacionadas nas instruções originais são substituídas pelos valores dados neste envelope. Este envelope é parte das instruções de operação e é válido somente com as instruções de operação originais e as instruções de segurança.

Made in Switzerland



Spare parts
Piezas de recambio
Pièces de rechange
Peças sobressalentes

Further spare parts at www.birchmeier.com under Flox 10
Más repuestos en www.birchmeier.com bajo Flox 10
Autres pièces de rechange sur www.birchmeier.com sous Flox 10
Outras peças de reposição em www.birchmeier.com sob Flox 10

Gasket set
Kit de juntas
Jeu de joints
Kit de vedação — Art.Nr. 11964501

Spare parts set for MeterJet
Juego de repuestos para MeterJet
Jeu de pièces de rechange pour MeterJet
Conjunto de peças sobressalentes para MeterJet — Art.Nr. 12110201

(14) Spray pipe bracket
Soporte de tubo de pulverización
Support pour lance de pulvérisation
Suporte de tubo de spray — Art.Nr. 12093701

(15) Valve insert
Inserto de válvula
Insert de valve
Inserção da válvula — Art.Nr. 11388502

(19) Piston
Pistón
Piston
Pistão — Art.Nr. 11051202

(28) Piston rubber ø 37 mm
Cuero pistón ø 37 mm
Caoutchouc de piston ø 37 mm
Borracha de pistão ø 37 mm — Art.Nr. 26200302

(27) Pump lever cpl.
Palanca de bomba cpl.
Levier de pompe cpl.
Alavanca da bomba cpl. — Art.Nr. 12093401

(25) Hose line 1.3 m (Oil resistant)
Línea de manguera 1.3 m (Resistente al aceite)
Ligne de tuyau 1.3 m (Résistant à l'huile)
Linha da mangueira 1.3 m (Resistente a óleo) — Art.Nr. 12116301

(26) Dosing hand valve (MeterJet)
Válvula de dosificación manual (MeterJet)
Poignée de dosage (MeterJet)
Válvula manual dosadora (MeterJet) — Art.Nr. 11967701

(31) Spray tube
Tubo de pulverización
Lance de pulvérisation
Tubo de pulverização — Art.Nr. 11962901

(32) Jet nozzle cpl. (orange)
Boquilla de chorro cpl. (naran(a)
Buse à jet cpl. (orange)
Bico a jato cpl. (laranja) — Art.Nr. 11964601

(34) Flat jet nozzle cpl. XR 8002 (yellow)
Boquilla de chorro plano cpl. XR 8002 (amarillo)
Buse à jet plat cpl. XR 8002 (jaune)
Bico de jato plano cpl. XR 8002 (amarelo) — Art.Nr. 11965001

Optional accessories
Accesorios opcionales
Accessoires en option
Acessório opcional

Art.Nr. 12052501
Waist and chest strap set
Conjunto de correa para la cadera y el pecho
Set de ceinture ventrale et pectorale
Conjunto de correias de peito e cintura

www.birchmeier.com
Further accessories
Más accesorios
D'autres accessoires
Mais acessórios

Dosing unit
Unidad de dosificación
Unité de dosage
Unidade de dosagem

Adjustable dosage from 1 – 16 ml (accuracy ± 0.1 ml)
For further information, read the instructions for use
Dosificación ajustable de 1 – 16 ml (precisión ± 0.1 ml)
Para obtener más información, consulte las instrucciones de uso adjuntas.
Dosage réglable de 1 à 16 ml (précision ± 0.1 ml)
Pour plus d'informations, consultez le mode d'emploi ci-joint
Dosagem ajustável de 1 a 16 ml (precisão ± 0.1 ml)
Para mais informações, consulte as instruções de uso em anexo

INTERFLON

INTERFLON®

The **Interflon Rail Division** has developed several innovative solutions for improving track performance and reliability. The application of Interflon's MicPol® coating and the use of a core range of products enables track equipment to be lubricated cleanly, with much less quantities and with longer intervals between relubrication. This not only provides a cleaner environment, but it also importantly allows equipment on track to be inspected for faults.

INTERFLON (UK) Limited
Telephone: +44 1642 615 002
Website: www.interflon.com

For training & technical advice, contact us today

Russell Brown
T: +44 7973 224969
Email: rbrown@interflon.co.uk

Interflon Rail Products

Interflon PPE Icons Explained

GLOVES REQUIRED
Check SDS for suitable material

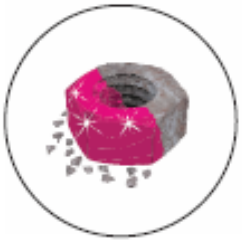
TIGHTLY SEALED GOGGLES (EN 166)

RESPIRATOR REQUIRED*

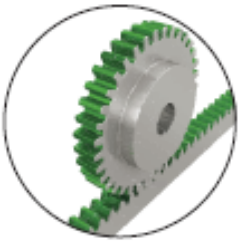
Interflon Packaging Icons Explained

MULTI-PURPOSE

HEAVY LOAD



CORROSION PROTECTOR



OPEN GEARS

BEARINGS

WATER RESISTANT

MODERATE LOADS

** Please note respiratory equipment is required when using any aerosol product in poorly ventilated areas*

INTERFLON

MELVELLE EQUIPMENT CORP.

Product Guide for Australia Rail

Product	Packaging	Code	Description	Applications
Metal Clean F	12 x 500 ml $36.50/ea	9797	Powerful, readily biodegradable food grade (NSF-H1) cleaning and degreasing agent. Incorporating a powerful spray jet means dirt and grease in hard-to-reach places is easily removed	Final Clean to prepare surfaces for Interflon MicPol® coating
Degreaser EM 30+	10 ltr $395.00/ea	8489	Very powerful, fast-acting cold degreaser with a mild natural odour that is ideal for use on the railways. Evaporates slowly so that even persistent dirt is removed and leaves behind no residue	For deep clean of all heavily contaminated equipment, to remove old lubricant and dirt.
Lube TF	12 x 500 ml $47.50/ea	9668	Highly versatile, industrial-quality dry-film lubricant fortified with MicPol®. Designed for a multitude of general machine and maintenance applications over a wide range of environmental conditions	Fast penetrating spray to break down rust and contamination in equipment. **The first** treatment of Slide Chairs and Equipment
Lube EPR **Backpack 10X**	6 x 1 ltr $105.00/ea 10 ltr $975.00/ea	9690 9692	Extreme performance rail switch point lubricant, fortified with MicPol®. With exceptional resistance to the weather and contamination conditions typical for rail point applications. Designed with a view to operating a much safer and cleaner, more reliable and cost-effective rail network.	Extreme Pressure MicPol® lubricant used to lubricate and clean Slide Chairs Fish Plates Points Machines
Grease OG	12 x 500 ml $58.00/ea	9722	Exceptionally long lasting, transparent lithium-calcium-complex grease for open gears delivering the advantages of Interflon's unconventional Lubrication Technology. Engineered for the problem-free lubrication of a wide range of requirements and environmental conditions	High load spray transparent grease to protect Switch Tip Stop Corrosion Open Gears
Grease MP 1 **Grease Gun**	12 x 400 ml Shuttle $67.50/ea $95.00/ea	9149 7281	Reduces vibrations and wear of heavily loaded machine parts through MicPol® Technology. Highly water resistant, protects against corrosion and the penetration of water and dirt	Multi-purpose MicPol® grease for all greased applications on the railways
LeafGuard	10 ltr $995.00/ea	6737	Interflon LeafGuard® has a quick activation time (1-2 minutes). No need to rinse with water or wipe as the product self-cleans and leaves a micro layer which re-activates with rainwater and moisture. Result: the surface stays cleaner for longer.	Removal of leaf and rust contamination on top of the rail

Melvelle Equipment - 10 Rogilla Close, Maryland NSW 2287

Email: sales@melvelle.com.au **Tel**: **+61 2 4951 5244**