Pipe Repair & Refurbishment
Sylmasta pipe repair products are proven, cost-effective solutions for pipe and pipeline repairs worldwide. Continued product testing and the highest quality raw materials ensure we produce the best quality products.

Most products in the Sylmasta pipe repair range are WRAS Approved, meaning they have been independently tested as safe for use on drinking water and comply with the stringent requirements of BS 6920.

With the benefit of many years of application knowledge, Sylmasta products can be used to make repairs which meet the ASME standard PCC-2S-2015 - Repair of Pressure Equipment and Piping.

Sylmasta is also ISO 9001 accredited, demonstrating our dedication to high standards of consistency and quality. We are committed to continued, application-led product research and our laboratory can provide fast, customised solutions to meet specific user needs at short notice.

Sylmasta are committed to:

1. Providing innovative solutions which work
2. Minimising lead times
3. Providing strong technical support.

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Lewes Road, Scaynes Hill
RH17 7PG, England
Tel: +44 (0) 1444 831459
Email: sales@sylmasta.com
Web: www.sylmasta.net

Global Provider of Pipe Repair & Maintenance Products
Sylmasta pipe repair products are proven, cost-effective solutions for pipe and pipeline repairs worldwide. Continued product testing and the highest quality raw materials ensure we produce the best quality products.

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3. Providing strong technical support.

David Bedding
Managing Director
SylWrap Pipe Repair Bandages
For pipes from 15mm to 600mm and above

Repairs & Refurbishes Pipework
For Leaks, Corrosion & Damage

For the fast repair of pipe leaks - just dip SylWrap into water and wrap

SylWrap is a fibreglass tape with a water-activated resin which sets rock hard in minutes for a high strength, permanent repair. It works on all sizes of pipe to seal leaks, and to strengthen and protect corroded pipes.

Leaks can be repaired using SylWrap alone or in combination with a Superfast Epoxy Stick or Industrial Metal for the highest pressure repairs.

SylWrap is used across industries to repair leaks and damage to pipe work made from materials such as GRP, steel, iron and copper. It is used by desalination plants, water companies, pumping stations and petrochemical plants around the world.

Applications
• Repairing pipe leaks
• Increasing hoop strength
• Refurbishing old pipework
• Repairing damage to pipes

Advantages
• Easy to use
• Can be applied underwater
• High strength
• High pressure resistance
• Impact resistant

Widest Range of Sizes up to 300mm x 20m

<table>
<thead>
<tr>
<th>Code</th>
<th>SylWrap Size</th>
<th>Pipe Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYL106HD</td>
<td>25mm x 1.8m</td>
<td>Up to 15mm</td>
</tr>
<tr>
<td>SYL206HD</td>
<td>50mm x 1.8m</td>
<td>15 - 25mm</td>
</tr>
<tr>
<td>SYL212HD</td>
<td>50mm x 3.6m</td>
<td>25 - 50mm</td>
</tr>
<tr>
<td>SYL309HD</td>
<td>75mm x 2.7m</td>
<td>25 - 50mm</td>
</tr>
<tr>
<td>SYL312HD</td>
<td>75mm x 3.6m</td>
<td>50 - 75mm</td>
</tr>
<tr>
<td>SYL412HD</td>
<td>100mm x 3.6m</td>
<td>50 - 100mm</td>
</tr>
<tr>
<td>SYL416HD</td>
<td>100mm x 5m</td>
<td>75 - 125mm</td>
</tr>
<tr>
<td>SYL616HD</td>
<td>150mm x 5m</td>
<td>100 - 150mm</td>
</tr>
<tr>
<td>SYL633HD</td>
<td>150mm x 10m</td>
<td>150 - 300mm</td>
</tr>
<tr>
<td>SYL866HD</td>
<td>200mm x 20m</td>
<td>300 - 600mm</td>
</tr>
<tr>
<td>SYL1266HD</td>
<td>300mm x 20m</td>
<td>Larger Pipes</td>
</tr>
</tbody>
</table>

How to use SylWrap

1. Dip the SylWrap bandage in water to activate the resin.
2. Tightly wrap the SylWrap around the pipe.
3. Continue to smooth and tighten the SylWrap around the pipe until it has set hard.
Repairs Using SylWrap

Fire Station Pump Room

Saudi Arabia

Desalination Plant

Marafiq, Saudi Arabia

Water Supply Pipes

Brega, Libya

Water Pump

Power Authority, Puerto Rico

SylWrap Pipe Repair Bandages

Repairs & Refurbishes Pipework

How to use SylWrap

For Leaks, Corrosion & Damage

1. Dip the SylWrap bandage in water to activate the resin.
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Widest Range of Sizes up to 300mm x 20m

Repairs Using SylWrap

For pipes from 15mm to 600mm and above

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</table>

The 2” nozzle on the main cooling supply line had snapped off from the flange and was discharging sea water 5m vertically at a pressure of 3 bar.

A teflon plug was secured into the hole and then Sylmasta Superfast Aqua Stick was used to seal the leak, followed by 7 layers of SylWrap Pipe Repair Bandage.

The pipe carrying contaminated water to the treatment plant was cracked when it was struck by equipment being moved below.

Wrap & Seal was used to seal the live leak and then this was overwrapped with SylWrap for a fast, permanent repair.

www.sylmasta.net
SylWrap No Pressure Pipe Repair Kit

For when flow can be stopped

For Quick & Easy Pipe Repairs

SylWrap 'No Pressure Kit' is designed for pipe repairs where flow CAN BE isolated

For applications on pipes made from steel, stainless steel, copper, malleable iron, GRP, ceramic, clay, concrete, rubber and most plastics.

Each kit contains:
- Superfast Copper Epoxy - seals the leak, fills cracks, removes step from leaking joints, smooths off pitting etc.
- SylWrap - applied over the Superfast Copper for a long term, pressure-resistant repair
- Gloves

Applications
- Leaking joints
- Pin hole leaks
- Small cracks

Advantages
- Low cost alternative to replacement
- Leaks repaired in minutes
- Easy to use

How to Use SylWrap No Pressure Kit

1. Mix the Superfast Copper epoxy putty until it is a uniform colour.
2. Press the Superfast Copper into and around the leak.
3. Activate the SylWrap bandage in water and quickly wrap over the Superfast Copper.
4. Pull and smooth the SylWrap as it is applied until it sets hard.

<table>
<thead>
<tr>
<th>Code</th>
<th>SylWrap Size</th>
<th>Pipe Diameter</th>
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<tbody>
<tr>
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<td>25mm x 1.8m</td>
<td>Up to 15mm</td>
</tr>
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<td>50mm x 1.8m</td>
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<td>50 - 100mm</td>
</tr>
<tr>
<td>SYL-616-NP</td>
<td>150mm x 5.0m</td>
<td>100 - 150mm</td>
</tr>
<tr>
<td>SYL-633-NP</td>
<td>150mm x 10.0m</td>
<td>150 - 300mm</td>
</tr>
</tbody>
</table>
SylWrap Under Pressure Repair Kit
For when flow cannot be stopped

 Contains Wrap & Seal to Stop Leak

SylWrap 'Under Pressure Kit' is for pipe repairs where flow CANNOT BE isolated

For applications on pipes made from steel, stainless steel, copper, malleable iron, GRP, ceramic, clay, concrete, rubber and most plastics.

Each kit contains:
• Wrap & Seal - stops the pressurised leak
• Superfast Copper Epoxy - helps seal the leak on rough and pitted surfaces, removes step from leaking joints.
• SylWrap - applied over the Wrap & Seal for a long term, pressure-resistant repair
• Gloves

Applications
• Leaking joints
• Pin hole leaks
• Small cracks

Advantages
• Can repair live leaks
• No need to isolate flow
• Easy to use

SylWrap 'No Pressure Kit' is designed for pipe repairs where flow CAN BE isolated

For applications on pipes made from steel, stainless steel, copper, malleable iron, GRP, ceramic, clay, concrete, rubber and most plastics.

Each kit contains:
• Superfast Copper Epoxy - seals the leak, fills cracks, removes step from leaking joints, smooths off pitting etc.
• SylWrap - applied over the Superfast Copper for a long term, pressure-resistant repair
• Gloves

How to Use SylWrap Under Pressure Kit

1. Use Wrap & Seal tape to stop the leak.
   *If the pipe surface is rough and pitted then use Superfast Copper to plug the hole as you wrap.*

2. Continue applying Wrap & Seal, pulling tightly over the leak area until the leak stops.

3. Activate the SylWrap bandage in water and quickly apply over the Wrap & Seal tape.

4. Pull and smooth the SylWrap as it is applied until it sets hard.
Standard Epoxy 19000
For making fibreglass wrap repairs

Multiple, Cost-Effective Repairs
Multi-Purpose Resin System

For versatile pipe repairs when used with Sylmasta Fibreglass Tape
A high-performance, brushable epoxy adhesive for on-site pipe repairs and bonding applications on substrates such as metal, GRP and other composites. Standard Epoxy 19000 is used to repair pipes of all sizes.

Making a repair using Standard Epoxy 19000 requires slightly more effort compared to SylWrap (Page 4) but works out more versatile, as multiple repairs of different sizes can be made using one kit and the working time is longer. This makes it ideal to have on standby.

Standard Epoxy 19000 is also ideal for patch-repairing tanks and other vessels. When used with Fibreglass Tape, it can repair straightforward holes and also leaking corners caused by corrosion or damage.

Standard Epoxy 19000 is also used as a lay-up resin for composite repairs.

Other Applications
• Corrosion protection
• Pipe repair and reinforcement
• High strength bonding

Advantages
• Excellent corrosion protection
• Good chemical resistance
• Excellent adhesion
• Temperature resistance in excess of 100°C dry heat

Making a Pipe Repair Using Standard Epoxy System

1. Gently abrade and clean the pipe and apply Standard Epoxy using a paintbrush.
2. Overwrap the uncured Standard Epoxy with the Fibreglass Tape.
3. Apply a new coat of Standard Epoxy over the Fibreglass Tape.
4. Continue until repair is complete and finish with a final coat of Standard Epoxy.

See opposite page for more information about Sylmasta Fibreglass Tape
Sylmasta Fibreglass Tape
For use with Standard Epoxy 19000

For Epoxy Pipe Repairs

Fibreglass Tape for pipe and tank repairs

Sylmasta Fibreglass Tape is used with Standard Epoxy 19000 for versatile, effective repairs to pipework, tanks and other vessels. The open weave allows the tape to mould around complex shapes and for the epoxy resin to easily saturate the fabric.

Fibreglass Tape comes in widths from 50mm to 150mm and each roll is 50m long.

Sylmasta Fibreglass Tape is intended for use with Sylmasta Standard Epoxy 19000.

Applications:
- Repair and maintenance of pipes and fittings
- Repair of leaking tanks and vessels
- Composite repairs

<table>
<thead>
<tr>
<th>Code</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>FGT/50x50</td>
<td>50mm x 50m Fibreglass Tape</td>
</tr>
<tr>
<td>FGT/100x50</td>
<td>100mm x50m Fibreglass Tape</td>
</tr>
<tr>
<td>FGT/150x50</td>
<td>150mm x50m Fibreglass Tape</td>
</tr>
</tbody>
</table>

www.sylmasta.net
Sylmasta Wrap & Seal will stop leaks even when pressure cannot be turned off

Simply stretch the tape tightly around the pipe, using the centre line as a guide, until the leaks stops. The tape will fuse into solid rubber band which maintains pressure over the leak. Wrap & Seal stretches by 300% to provide maximum pressure over the leak.

The repair can be reinforced by applying a SylWrap bandage over the Wrap & Seal to protect it and make a permanent repair.

Other Applications
- Electrical Insulation
- Automotive
- Marine
- Tool Grips

Advantages
- Seals live leaks
- No need to isolate flow
- Easy to use
- Easily removed

How to Use Wrap & Seal

1. Use Wrap & Seal to stop leaks which cannot be isolated.
2. Tightly wrap around the pipe following the guideline, focusing pressure over the leak area.
3. To remove, Wrap & Seal can be easily cut using a sharp blade.
4. Wrap & Seal leaves no residue.

Other Tapes

<table>
<thead>
<tr>
<th>Code</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>PB/25x2HD</td>
<td>25mm x 2m</td>
</tr>
<tr>
<td>PB/50x4HD</td>
<td>50mm x 4m</td>
</tr>
<tr>
<td>PB/50x11</td>
<td>50mm x 11m (no guideline)</td>
</tr>
</tbody>
</table>

Wrap & Seal
Unique tapered profile stops fluid from tracking under the tape

Wraps & Seal
Pipe Burst Tape
Stops Live Leaks
Self-Fusing Tape

Sylmasta Wrap & Seal

10 www.sylmasta.net
Superfast Copper Stick

For Copper & Domestic Pipes

For the fast repair of damaged copper pipework

A copper-filled epoxy putty for permanent repairs to copper domestic pipework, such as waterpipes. Copper Stick is suitable for all pipe work including fresh water pipes. Copper Stick is able to bond to damp or slow leaking surfaces and is easy to apply - simply tear, knead and apply to repair a damaged pipe in 5 minutes. Overwrap with SylWrap Bandage for a tough fast, long-lasting, high pressure repair.

<table>
<thead>
<tr>
<th>Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>SFCOP/114g</td>
<td>114g stick</td>
</tr>
</tbody>
</table>

Superfast Steel Stick

For Steel and Iron Pipes

For the fast repair of steel, iron and industrial pipework

A steel filled epoxy putty used for permanent repairs to ferrous metals. Superfast Steel Stick is ideal for sealing cracks, holes and leaking joints in steel and iron pipes, and for repairing holes and filling damage caused by pitting and corrosion.

Use Superfast Steel to seal a leak on pipework before overwrapping with SylWrap bandage for a fast, long-lasting repair.

Superfast Steel Stick is also used to repair holes and damage in storage tanks and other metal repair applications.

<table>
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<tbody>
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<td>114g stick</td>
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</table>

www.sylmasta.net
**Superfast Titanium Stick**

**High Temperature**

**Repairs up to 280°C**

For repairs to pipework subject to high temperatures up to 280°C

Superfast Titanium is used for permanent repairs in high temperature applications, such as steam pipes and other pipework in industry. Use Superfast Titanium to seal a leak on pipework before overwrapping with SylWrap Bandage for a fast, long-lasting repair.

Superfast Titanium High Temperature can be used continuously at 245°C or intermittently at 280°C and has high chemical resistance.

<table>
<thead>
<tr>
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**Superfast Aqua Stick**

**Bonds Underwater**

A fibreglass-reinforced epoxy putty for permanent repairs to wet surfaces, fibreglass and composites

Superfast Aqua Stick is specially formulated to adhere to surfaces exposed to damp, wet or underwater (salt or fresh) conditions.

It is used to seal leaks in GRP pipework and can be overwrapped with SylWrap for a high-pressure repair. Superfast Aqua Stick sets to a white colour.

<table>
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</table>

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**Superfast Plastic Stick**

**For Plastic Waste Pipes**

A semi-flexible epoxy putty for permanent repairs to most major plastic types

Superfast Plastic sets white and is used to make repairs to pipes made from ABS and PVC, such as sink and bath waste pipes and toilet soil pipes.

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>SFPL/114g</td>
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</tr>
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</table>
Industrial Metal Epoxy Repair Paste

Independently tested to BS 6920 for use on Drinking Water

A metal-filled epoxy paste for repairing damage and pitting on pipework

Industrial Metal is designed for maintenance and repair work to metal. It is used on larger pipework to repair holes, cracks and areas of pitting and damage before applying SylWrap Bandage to finish the repair.

Industrial Metal is also used for the maintenance and repair of pumps, valves, metal castings, automotive bodywork and tanks.

Applications:
- Used for the repair and maintenance of pipes, fittings and equipment
- Used to repair holes, cracks and pitting in pipes and tanks
- Used to reline worn areas in pumps, valves and associated equipment
- Industrial equipment repair, maintenance and construction
- Provides protection against corrosion & chemical attack

Liquid Metal Protective Coating

A metal-filled epoxy coating for protecting pipes and other metalwork from corrosion

When brush-applied, Liquid Metal sets to a smooth, metallic, hard-wearing protective coating for environmental and corrosion protection.

Liquid Metal can be used for general pipe protection or can be applied to corrosion-protect pipes before overwrapping with SylWrap when refurbishing and strengthening pipework.

Applications:
- Pumps, impellers, flange faces, water box ends, calves, metal castings, pipe elbows, tanks etc.
- Applications requiring protection against corrosion and chemical attack
Other Sylmasta Products

High quality maintenance products for industry

Specialising in the development and manufacture of high quality adhesives, sealants and lubricants, Sylmasta supplies products into the manufacturing and maintenance markets through a growing international distributor base.

For more information visit

www.sylmasta.net

Maintenance & Repair

- Metal repair
- Epoxy putties
- Epoxy coatings
- Ceramic coatings
- Elastomeric coatings
- Underwater repairs
- Floor repair
- Roof repair
- Specialist aerosols
- Electrical sealing

Adhesives & Sealants

- Epoxy adhesives
- Plastic bonding
- Superglues
- Threadlocks
- Retainers
- Flex sealants
- UV glass bonding
- Thread sealants
- Mitre bonding
- Fibre optic bonding

Lubrication

- Copper antiseize
- Heavy duty grease
- Wet grease
- Penetrating spray
- High temperature
- Moisture repellent
- Silicone spray
- Spray lube

Cleaning & Preparation

- Release agent
- Solvent cleaner
- Cleaner spray
- Isopropyl wipes
- Multipurpose wipes
- Heavy duty scrubs
- Dry wipes
- Protective gloves
- Silicone spray
- Tools and mixing cups

Sylmasta Micro Abrasives

Range of micro abrasive sheets, files and pads for high quality, glossy finishes to metal and plastics. Widely used for removing haze from clear plastics and polishing journal bearings.
Typical Sylmasta Repairs

Shaft repair

Mixer refurbishment

Metal protection

High grip coating

Protective coating

Bronze repair

Underwater repair

Electrical sealing

Wood repair

Thread sealing & locking

Large gap filling

Casting repair