



C-SmartSeal[®]

REPAIR - REBUILD - RESOLVE

C A T A L O G U E



ALCHEM MANUFACTURING PTE LTD (ALCHEM) excels in providing great products in this ever-changing world. We believe in continuous innovation to provide the best quality products for everyone. Our professional expertise in chemical engineering enables us to supply exclusive products that suit the industries' requirements.

OUR VISION

"REPAIR – REBUILD – RESOLVE" Any time, Any day and Anywhere

OUR MISSION

To listen attentively to the industries' needs and develop great solutions to our clients, industries and the environment.

ALCHEM INNOVATION

Our innovative research and engineering team strongly believes in collaboration with clients to create customized solutions that fit into the ever-changing requirements of the industry. As a brand-promise, we will always innovate ourselves to ensure and improve the quality of ALCHEM's creations.

OUR PRODUCTS



C-SMARTSEAL produces external repair products, to rebuild properties of existing materials; resolving the challenges of additional resources required for replacement.

C-SMARTSEAL's products excel in sealing leak on live pipes, valves, tanks and other structures. The rebuilding properties of our products allows extension of life span, reducing the need to replace vital components of critical systems.



A-POLYSYS is a fully customizable polyurethane (PU) system brand with in-house research and development facility. RIGICHEM polyurethane products are primarily used for rigid applications with requirements for exceptional mechanical properties, & low thermal conductivity.

RIGICHEM'S polyurethane foam (PUF) is an insulation material used in pre-insulated pipes for their efficient energy savings property with minimum space usage.



MECSEALANT range of products offers adhesives and sealants for different industries in convenient form & value pricing. Our range of products include anaerobic adhesives such as thread lockers, retaining compounds, thread sealants & flange sealants.



STICBOND brand represents great value for money products at best quality & caters to general consumers & hobbyists worldwide. We strive to provide our users with trust-worthy everyday products to help improve their lifestyle. All our products are designed, developed, manufactured & tested in Singapore.

COMPOSITE REPAIR PRODUCTS



SEALXTREME
Leak Repair Kit



SEALXTREME PLUS
Active Leak Repair Kit



CORSMAST
Resin & Activator



CORSMAST
Glass Flake Epoxy



FIX 'N' FAST BOND
Metal Repair Putty



SMARTSTIC Epoxy Stick



QUIKCONTROL
Carbon Fiber



QUIKCONTROL
Fiberglass Repair Tape



QUIKCONTROL
Uncoated Fiberglass Tape



QUIKCONTROL
Surface Tissue



QUIKCONTROL
Chopped Strand Mat



QUIKCONTROL
Repair Patch



QUIKCONTROL Wrapbind



QUIKCONTROL Wrapcover



QUIKCONTROL Sealing Tape



QUIKCONTROL Hi-Temp Sealing Tape



QUIKCONTROL
Expanded PTFE Tape



WRAP-PRO
Standard Repair Clamp



WRAP-PRO
Premium Repair Clamp



WRAP-PRO
Premium Plus Repair Clamp



WRAP-PRO
Grip-Type Pipe Coupling



WRAP-PRO
Stainless Steel Pipe Clip

Design Standard:



Tested By:

Tested By
TÜV SÜD
PSB Singapore

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Note

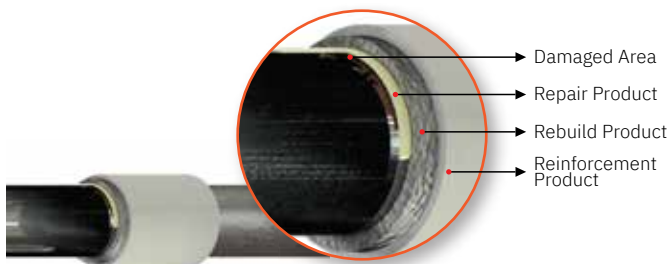
- Slight measurement deviation may be present
- IMPA & HS codes are available on best effort basis only
- The actual colour of items might be slightly different from the photos due to technological limitations
- We've standardized the units to metric system as much as possible, some values might have been rounded off
- For additional information on product properties, contact us

C-SMARTSEAL® Composite Repair System

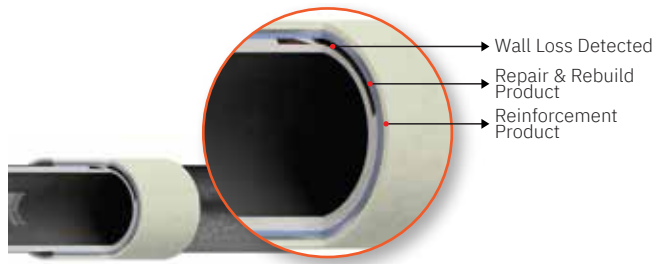
C-SMARTSEAL Composite Repair system addresses leak and corrosion to extend life of structures. Our solution provides excellent structural integrity, while eliminating hot work, expensive equipment/structure replacement and system shutdown. Our specially formulated solutions are applicable for systems that experience extreme conditions as they are compliant with *ASME PCC-2-2015 (2015 edition) REPAIR OF PRESSURE EQUIPMENT AND PIPING - Article 4.1 Non-Metallic Composite Repair Systems : High-Risk Applications*.

TYPES OF COMPOSITE REPAIR SYSTEMS

Composite Leak Repair System offers permanent repair solutions addressing online (active) and offline leaks. In addition to this, the composite materials provide structural strengthening to extend service life of equipments and structures such as weakened pipes, tanks and vessels.



Composite Corrosion Repair System uses non intrusive corrosion remediation & reinforcement solutions for equipments and structures such as pipes, tanks and vessels. In addition to corrosion prevention, this solution enables equipment to work in its original operating conditions.



Steam Leak Repair System seals active high-temperature steam leak up to 280 °C. This is a specially formulated steam leak repair that conjoins carbon fiber and composite materials to form a durable and high strength repair system.



Flange Leak Repair System seals active leak from flange to flange joint. This is an engineered technique to seal leak via a durable and secure anchor method. It can be applied within the limited width of flanges.



Pipe Thread Leak Repair System seals leak in pipe threads. The composite repair consists of unique range of products that provide complete protection of pipe threads.

This versatile system is applicable to repair and reinforcement of pipes, tanks, vessels and other complex geometry components (Flange, T-joint, Threaded fittings and more) in environments such as high pressure, temperature, steam, corrosive and wet-surfaces/under-water. Our unique solutions are developed as per international standards to protect, reinforce & repair your expensive systems.

PROTECTION AND PREVENTION

In addition to other repair solutions, we offer preventive solutions for structures experiencing corrosive chemical environments, accelerated wear and tear, extreme weather conditions and other environmental factors due to location of installation such as splash zones, underwater and underground. Our ASME-compliant solution applies to both new and old structures. Most commonly used to repair rebuild and reinforce structures against structural damages, operational failures and other breakdowns of critical structures.



Active pipe leak



Pinhole leak - Welded joint

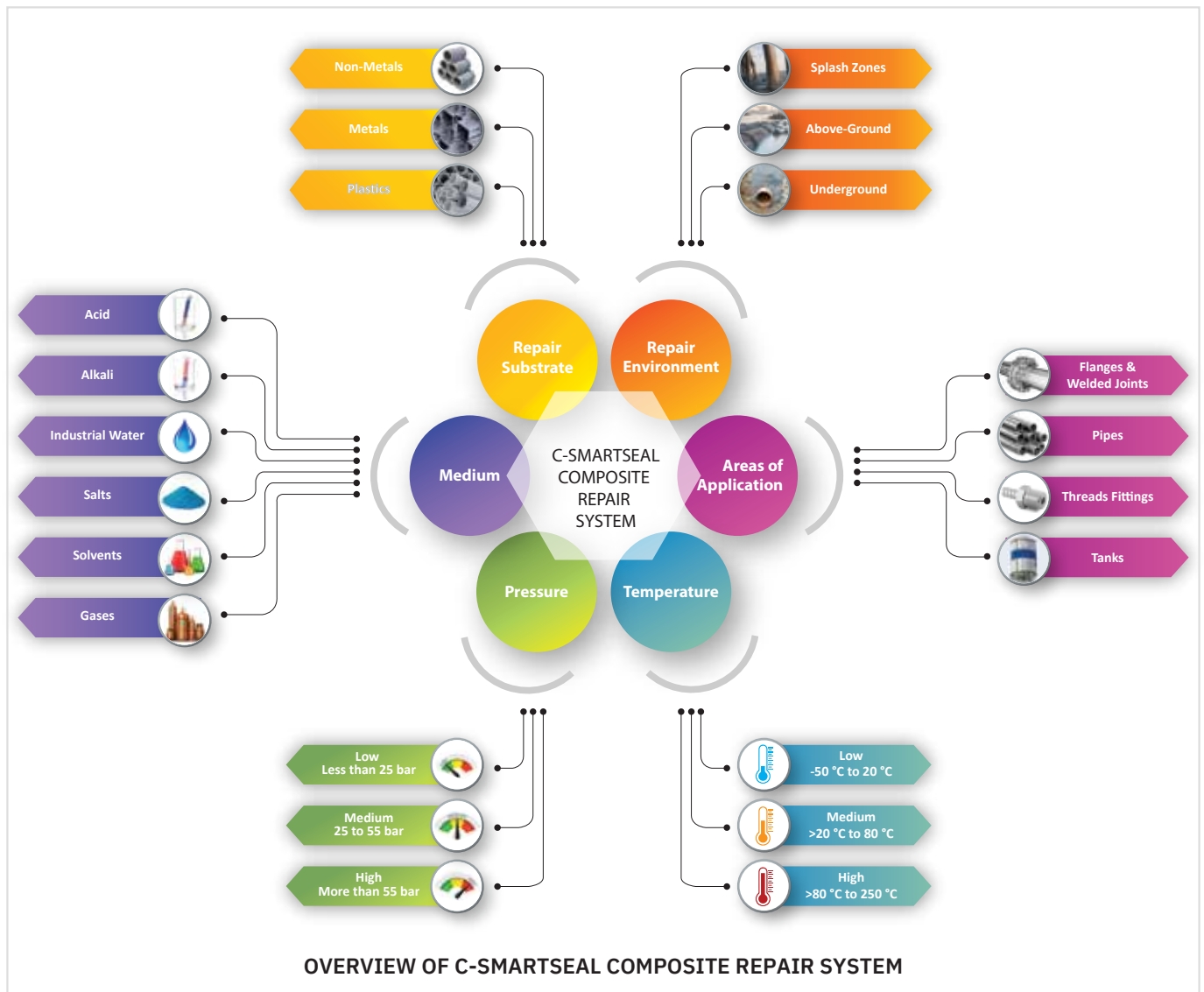


Leak - Uneven surfaces



Underwater repair solutions

C-SMARTSEAL® Composite Repair System



TECHNICAL DATA

- Tensile Strength : 1517 bar
- Flexural Strength : 1310 bar
- Application Temperature : 0 °C to 120 °C
- Dielectric Strength : 16,000 volts
- Service Temperature : -50 °C to 280 °C
- Service Pressure : 138 bar

Technical data varies based on combination of products implemented.

FEATURES

- Repair odd-geometry shapes of flanges, reducers, manifolds and pipe bends (elbow, tee)
- Environmentally friendly & Reduce carbon footprint
- Eliminate expensive pipe replacement
- Enhance chemical resistance
- Provides permanent solution
- Designed in compliant with ASME PCC-2 Standards



PRODUCT COMBINATIONS



Epoxy Stick



Silicone Sealing Tape



Fiberglass Repair Tape



Resin & Activator



Metal Repair Putty



PTFE Tape



Leak Repair Clamp



Wrapbind & Wrapcover



Uncoated Fiberglass Tape



Carbon Fiber

SEALXTREME® Leak Repair Kit

SEALXTREME Leak Repair Kit seals leak found on pipe under 30 minutes when pipe medium is drained with no pressure. The maximum post cure pressure SEALXTREME Leak Repair Kit can withstand is approximately 27 bar (400 psi). This is a specially formulated wrap repair kit that is durable and cost effective to seal pipe leaks with high industrial strength.

KIT CONTAINS



SMARTSTIC
Underwater Epoxy Stick



QUIKCONTROL
Fiberglass Repair Tape



Protective Gloves



FEATURES

- Withstand pressure up to 27 bar (400 psi) & temperature up to 120 °C post-curing
- Fix leaks in less than 30 minutes
- Hand-Applied
- Works on both metal and non-metal pipes
- Enhance chemical resistance
- Repair & extend pipe life
- Environmentally friendly, reduce carbon footprint

TECHNICAL DATA

- Tensile Strength : 1655 bar
- Lap Shear Strength : 62 bar
- Flexural Strength : 1103 bar
- Application Temperature : 0 °C to 65 °C
- Dielectric Strength : 16,000 volts
- Hardness : 85 Shore D
- Service Temperature : -50 °C to 120 °C
- Design Pressure : 28 bar

APPLICATION

- Safety first, wear appropriate protective gear. Gloves are a must
- Knead the epoxy stick until 80% harden
- Use the 80% cured epoxy stick to seal the leak
- Dip the fiberglass repair tape in water for five seconds
- Reinforce repair area with fiberglass repair tape
- Polish the surface of fiberglass repair tape with water and rub in parallel direction with the pipe

PACKAGING INFORMATION

ITEM CODE	SIZE	IMPA CODE	HS CODE
SNLRK0206	50 mm x 1.8 m	812173	39191099
SNLRK0309	75 mm x 2.7 m	812452	39191099
SNLRK0412	100 mm x 3.6 m	812174	39191099

GUIDELINES FOR BEST PRACTICE

PIPE DIAMETER		PIPE PRESSURE 3.5 bar (50 psi)		PIPE PRESSURE 10.3 bar (150 psi)	
Size		Kit Size	Qty	Kit Size	Qty
15 mm	½ inch	50 mm x 1.8 m	1	50 mm x 1.8 m	1
20 mm	¾ inch	50 mm x 1.8 m	1	50 mm x 1.8 m	1
25 mm	1 inch	50 mm x 1.8 m	1	50 mm x 1.8 m	2
32 mm	1¼ inch	50 mm x 1.8 m	1	50 mm x 1.8 m	3
40 mm	1½ inch	50 mm x 1.8 m	2	50 mm x 1.8 m	3
50 mm	2 inch	75 mm x 2.7 m	1	75 mm x 2.7 m	1
65 mm	2½ inch	75 mm x 2.7 m	1	75 mm x 2.7 m	2
80 mm	3 inch	75 mm x 2.7 m	1	100 mm x 3.6 m	2
100 mm	4 inch	75 mm x 2.7 m	1	100 mm x 3.6 m	3
125 mm	5 inch	100 mm x 3.6 m	2	100 mm x 3.6 m	3
150 mm	6 inch	100 mm x 3.6 m	2	100 mm x 3.6 m	4
200 mm	8 inch	100 mm x 3.6 m	2	100 mm x 3.6 m	5
250 mm	10 inch	100 mm x 3.6 m	3	100 mm x 3.6 m	6
300 mm	12 inch	100 mm x 3.6 m	4	100 mm x 3.6 m	8
350 mm	14 inch	100 mm x 3.6 m	4	100 mm x 3.6 m	8
400 mm	16 inch	100 mm x 3.6 m	5	100 mm x 3.6 m	9
450 mm	18 inch	100 mm x 3.6 m	5	100 mm x 3.6 m	9
>450 mm	>18 inch	Contact Us			

* Above guideline is for reference only. Contact us for additional advice. This is a hand applied product. For expert application of product contact us to learn more about our service partner(s) in your location. Additionally, product application training is available.



SEALXTREME® PLUS Active Leak Repair Kit

SEALXTREME PLUS Active Leak Repair Kit seals active pressurised leak under 30 minutes. It stops leaks on pipe without the requirement of system shut down. The maximum pressure SEALXTREME PLUS Active Leak Repair Kit can seal is approximately 10 bar (150 psi) of live operating water pressure. This is a specially formulated wrap repair system that is durable and cost effective to seal pipe leaks with high industrial strength.

KIT CONTAINS



FEATURES

- Perform active leak repair up to 10 bar (150 psi) pressure
- No system shutdown required
- Fix active leaks in less than 30 minutes
- Hand applied
- Works on both metal and non-metal pipes
- Enhance chemical resistance
- Repair and extend pipe life
- Environmentally friendly, reduce carbon footprint

TECHNICAL DATA

- Tensile Strength : 2482 bar
- Lap Shear Strength : 62 bar
- Flexural Strength : 1793 bar
- Application Temperature : 0 °C to 65 °C
- Dielectric Strength : 16,000 volts
- Hardness : 85 Shore D
- Service Temperature : -50 °C to 120 °C
- Design Pressure : 28 bar

APPLICATION

- Safety first, wear appropriate protective gear. Gloves are a must
- Knead the epoxy stick until 80% harden
- Place the 80% cured epoxy stick beside the leak
- Wrap the sealing tape on the epoxy stick
- Gravitates the sealing tape and push the epoxy stick towards the leak
- Continue wrapping the pipe with sealing tape until the leak stops
- Dip the fiberglass repair tape in water for five seconds
- Reinforce repair area with fiberglass repair tape
- Polish the surface of fiberglass repair tape with water and rub in parallel direction with the pipe

PACKAGING INFORMATION

ITEM CODE	SIZE	IMPA CODE	HS CODE
SALRK0206	50 mm x 1.8 m	812173	39191099
SALRK0309	75 mm x 2.7 m	812452	39191099
SALRK0412	100 mm x 3.6 m	812174	39191099

GUIDELINES FOR BEST PRACTICE

PIPE DIAMETER		PIPE PRESSURE 3.5 bar (50 psi)		PIPE PRESSURE 10.3 bar (150 psi)	
Size		Kit Size	Qty	Kit Size	Qty
15 mm	½ inch	50 mm x 1.8 m	1	50 mm x 1.8 m	1
20 mm	¾ inch	50 mm x 1.8 m	1	50 mm x 1.8 m	1
25 mm	1 inch	50 mm x 1.8 m	1	50 mm x 1.8 m	1
32 mm	1¼ inch	50 mm x 1.8 m	1	50 mm x 1.8 m	2
40 mm	1½ inch	50 mm x 1.8 m	2	50 mm x 1.8 m	2
50 mm	2 inch	75 mm x 2.7 m	1	75 mm x 2.7 m	1
65 mm	2½ inch	75 mm x 2.7 m	1	75 mm x 2.7 m	1
80 mm	3 inch	75 mm x 2.7 m	1	100 mm x 3.6 m	2
100 mm	4 inch	75 mm x 2.7 m	1	100 mm x 3.6 m	2
125 mm	5 inch	100 mm x 3.6 m	2	100 mm x 3.6 m	2
150 mm	6 inch	100 mm x 3.6 m	2	100 mm x 3.6 m	2
200 mm	8 inch	100 mm x 3.6 m	2	100 mm x 3.6 m	3
250 mm	10 inch	100 mm x 3.6 m	3	100 mm x 3.6 m	4
300 mm	12 inch	100 mm x 3.6 m	4	100 mm x 3.6 m	5
350 mm	14 inch	100 mm x 3.6 m	4	100 mm x 3.6 m	6
400 mm	16 inch	100 mm x 3.6 m	5	100 mm x 3.6 m	7
450 mm	18 inch	100 mm x 3.6 m	5	100 mm x 3.6 m	8
>450 mm	>18 inch	Contact Us			

* Above guideline is for reference only. Contact us for additional advice. This is a hand applied product. For expert application of product contact us to learn more about our service partner(s) in your location. Additionally, product application training is available.



FIX 'N' FAST BOND® Metal Repair Putty

FIX 'N' FAST BOND Metal Repair Putties are high performance metal-filled two-component epoxies that allows fast, economical and permanent repairs. It acts as a space filling adhesive that repairs holes, cracks and defects.

FIX 'N' FAST BOND Metal Repair Putties cures quickly, resist corrosion and are exceptionally resistant to chemicals. They are also used as a rebuilding product that facilitate reinforcement to fiberglass wrapping on pipelines.

We have developed ten types of putties that help you solve common engineering obstacles. Metal Repair Putties are used globally in various settings such as oil refineries, power plants, factories, semiconductor production facilities management,



FEATURES

- Apply on the surface to rebuild strength of material or to fill up voids
- High adhesion & compressive strength
- Enhance chemical resistance
- Cures at room temperature
- Excellent bonding to all rigid substrates
- Can be machined, drilled, tapped or filled after cure
- Bonds to steel, copper, stainless steel, Polyethylene, FRP/GRE, PVC and more

APPLICATION

- Clean or sand off existing area
- Mix Part A & Part B components together as per the table
- 5-50mins application time
- Apply as required

10 Types of FIX 'N' FAST BOND Metal Repair Putty

Steel Repair Putty (FFP101)

- Steel filled two component epoxy putty
- Bonds to ferrous and non-ferrous metals

Liquid Repair Putty (FFP111)

- Metal filled two component epoxy liquid
- Flowable epoxy helps repair hard to reach areas
- Proprietary formulation used as a wet out for carbon-fiber and other fiberglass materials
- Withstand high pressure & temperature environments
- Fill and level equipment
- Duplicating or tracing masters

Aluminium Putty (FFP201)

- Aluminium filled two component epoxy putty
- Fill porosity in aluminium castings

Bronze Repair Putty (FFP301)

- Bronze filled two component epoxy putty
- Repair castings, bushes and shafts without hot work
- Bonds securely to copper alloys and ferrous metals

Stainless Steel Repair Putty (FFP401)

- Stainless steel filled two component epoxy putty
- Repair castings, bushes and shafts without hot work
- Bonds to ferrous and non-ferrous metals
- Machinable to metallic finish

Underwater Repair Putty (FFP501)

- Designed for repairing and rebuilding equipments in wet and moist environments
- Penetrates wetness and bonds securely to ferrous and non-ferrous metals
- Cures temperature as low as 5°C-10°C

5-Min Repair Putty (FFP601)

- Fast curing
- Metal filled two component epoxy putty
- Repair emergency situations instantly
- Permanent repair for pipes & other equipments
- Initial cure in less than 5 minutes after mixing
- Can be applied in temperatures as low as 5 °C
- Bonds to ferrous and non-ferrous metals

Titanium Repair Putty (FFP701)

- Titanium reinforced two component epoxy putty
- Perform critical repairs on precision equipment, machinery & other sensitive hardware
- Withstand heavy load, even in harsh chemical environments
- High compressive strength
- Exceptional chemical resistance
- Bonds to ferrous and non-ferrous metals

Hi-Temp Repair Putty (FFP801)

- Metal filled two component epoxy putty
- Repair equipment abrasion, scratch, corrosion, cracks even at high temperature
- Withstand temperature up to 200 °C (continuous) and 230 °C (intermittent)
- Bonds to ferrous and non-ferrous metals

Wear Resistant Putty (FFP901)

- Smooth, non-rusting two component epoxy putty
- Protect, rebuild equipment against wear & tear
- Ideal for repairs requiring low-friction surfaces
- Thixotropic viscosity, brushable, non-sagging
- Bonds to ferrous and non-ferrous metals

FIX 'N' FAST BOND® Metal Repair Putty

TECHNICAL DATA

PRODUCT	COMPRESSIVE STRENGTH	ADHESIVE TENSILE STRENGTH	FLEXURAL STRENGTH	HARDNESS	TEMPERATURE	MIXTURE (A:B)		MINIMUM CURING TIME		
						BY WEIGHT	BY VOLUME	POT LIFE	50% STRENGTH	100% STRENGTH
	(bar)	(bar)	(bar)	(Shore D)	(°C)			(Mins)	(Hours)	(Hours)
FFP111	627	145	1234	80	-50 to 120	3.6:1	1.4:1	20	8	24
FFP101	590	145	1237	80	-50 to 120	3.6:1	1.1:1	30	8	24
FFP201	581	171	570	80	-50 to 120	3.6:1	1.4:1	50	12	24
FFP301	590	160	558	80	-50 to 120	3.6:1	1:01	40	12	24
FFP401	580	155	565	80	-50 to 120	3.6:1	1:01	20	12	24
FFP501	789	138	386	80	-50 to 120	4.5:1	2:01	40	6	12
FFP601	572	139	524	80	-50 to 120	3.0:1	1.3:1	5	0.5	1
FFP701	1020	138	524	80	-50 to 120	3.6:1	1.4:1	30	8	16
FFP801	579	145	517	80	-50 to 220	3.6:1	1.5:1	40	6	12
FFP901	570	152	441	80	-50 to 120	3.6:1	1.6:1	40	10	24

PACKAGING INFORMATION

PRODUCT	SIZE	IMPA CODE	HS CODE
FFP111 (Liquid)	454 g	812179	39073030
FFP101 (Steel)	454 g	812181	39073030
FFP201 (Aluminium)	454 g	812177	39073030
FFP301 (Bronze)	454 g	812290	39073030
FFP401 (Stainless Steel)	454 g	812178	39073030
FFP501 (Underwater)	454 g	812195	39073030
FFP601 (5 minutes)	454 g	812199	39073030
FFP701 (Titanium)	454 g	812241	39073030
FFP801 (Hi-Temperature)	454 g	812345	39073030
FFP901 (Wear Resistant)	500 g	812281	39073030

Also available in 5 Kg packaging size



SMARTSTIC® Epoxy Stick

SMARTSTIC Epoxy Stick is an easy to use hand kneadable metal-filled epoxy that bonds and cures rapidly at room temperature. It forms strong, permanent industrial repair on Steel, Bronze, Aluminium and Wet-Surface applications.

We offer four different varieties of epoxy stick - Steel, Aluminum, Bronze and Underwater. Epoxy sticks are easily kneaded to fill and repair holes, cracks and defects on both horizontal and vertical surfaces.

The product does not crack or pull away. It can be drilled, tapped, machined, filled or painted after cure.



FEATURES

- Repair and rebuild corroded materials seal & stop cracks on pipes
- Non-rusting, permanent repair for steel, bronze, aluminium castings, machinery and equipment
- Repair and rebuild strength on metal tools, engine parts, stripped threads, rust or damaged metal, tanks, doors and gutters
- Bonds instantly with superior strength
- Can be drilled, tapped, machined, or fill up void
- Hand kneadable, pre-mixed reinforced epoxy-based formulation
- Cures at room temperature
- SSE501(Underwater) can be used easily to cure on wet surfaces. Therefore, they're the first choice when repairing live leaks

TECHNICAL DATA

- Flexural Strength : 290 bar
- Compressive Strength : 236 bar
- Hardness : 77 Shore D
- Operation Temperature : -50 °C to 120 °C
- Pot Life : 10 minutes
- Curing Time : 20 minutes
- Coverage (114 g) : 90 cm² (6 mm thick)

APPLICATION

- **Repair on void**
 1. Clean or sand off existing area
 2. Knead the pre-mixed two components together
 3. Fill the epoxy on crack or void
- **Leak Repair**
Refer 'SEALXTREME Plus Active Leak Repair Kit'

This is a hand-applied product. Results may vary on skill of applicant.

PACKAGING INFORMATION

ITEM CODE	PRODUCT	IMPA CODE	HS CODE
SSE101	Steel	812191	39073090
SSE201	Aluminium	812966	39073090
SSE301	Bronze	812976	39073090
SSE501	Underwater	812193	39073090

Package Size : 114 grams per tube



Suitability
Steel
Iron
Iron Alloys

Suitability
Aluminium
Aluminium alloys



Suitability
Bronze,
Copper,
Copper Alloys

Suitability
Under Water,
Wet-Surfaces,
Leak Repair,
Most Metals



CORSMART® Resin & Activator

CORSMART Resin & Activator is a two component epoxy liquid mainly used to protect industrial structures, equipments from corrosion by acting as barrier. Our Resin & Activator can be used in combination with composite repair products such as “QUIKCONTROL Chopped Strand Mat” and “QUIKCONTROL Carbon Fiber” to enhance reinforcement.

This product can be tailor-made to suit specific corrosion protection requirements. Most common uses are coating, structural applications, hot and cold box-up.

FEATURES

- High anti-corrosion factor & compressive strength
- Cures at room temperature
- Excellent bonding to all rigid substrates
- Bonds to: steel, copper, FRP/GRE, polyethylene, PVC and other materials

TECHNICAL DATA

- Tensile Strength : 1689 bar
- Flexural Strength : 2896 bar
- Compressive Strength : 2413 bar
- Resin Viscosity : 17800 cP
- Activator Viscosity : 30 cP
- Hardness : 82 Shore D
- Application Temperature : 0 °C to 80 °C
- Service Temperature : -50 °C to 120 °C
- Pot Life (~24 °C) : 20 minutes
- Coverage (500 g) : 0.44 m² (1 mm thick)

APPLICATION

- Sand off existing rusted area
- Pour activator into resin
- Stir the contents thoroughly for at least 3 minutes
- Apply 2 layers each for best corrosion isolation

Note: Mixing to be done only after surface preparation as the mixed product cures up fast



PACKAGING INFORMATION

ITEM CODE	WEIGHT	IMPA CODE	HS CODE
CRA0500	500 g	812301	39073030
CRA5000	5000 g	812301	39073030



CORSMART® Glass Flake Epoxy

CORSMART Glass Flake Epoxy is a two component high build epoxy that contains chemically resistant glass flakes. The product imparts excellent properties to the applied surface, notably, corrosion, abrasion and chemical resistance. It remediates and reinforces splash zone areas in jetties, decks, bridges, chemical plants and similar locations.

Our Glass Flake Epoxy are mostly used in combination with composite repair products such as “QUIKCONTROL Chopped Strand Mat” and “QUIKCONTROL Carbon Fiber” to enhance reinforcement.

FEATURES

- High adhesion and compressive strength
- High abrasion, chemical and corrosion resistant
- High solid content
- Low in VOC (Volatile Organic Compounds)
- Cures at room temperature
- Excellent bonding to all rigid substrates

TECHNICAL DATA

- Volume Solids : 92%
- Typical Thickness : 500 - 1000 microns
- Coverage Per Liter : 1.80 m²

APPLICATION

- Sand off existing rusted area
- Pour activator into resin
- Stir contents for 2 minutes for 30 minutes applications (stir longer for shorter application time)
- Apply 2 layers for best corrosion isolation



PACKAGING INFORMATION

ITEM CODE	SIZE	IMPA CODE	HS CODE
CGE25000	25 L	812301	39073030



Fiberglass Comparison

QUIKCONTROL Fiberglass provides strength to existing pipes, tanks, structures by repairing and protecting them. They are most commonly used in the aerospace, marine, oil & gas, mining, power plants, construction industries.

To help you choose the right product for your requirements, refer to the simplified product table below.

PRODUCT NAME	IDEAL FOR	USAGE	TEXTURE	TEMPERATURE RANGE	BINDER REQUIREMENT
Carbon Fiber	Repair	High-strength fiberglass wrap for critical pressure/temperature environment	Woven	5 °C to 220 °C	Epoxy Resin or Repair Putty
Uncoated Fiberglass Repair Tape	Repair	Fiberglass wrap for industrial environments	Woven	-50 °C to 120 °C	Epoxy Resin or Repair Putty
Fiberglass Repair Tape	Instant Repair	Prepeg fiberglass wrap for quick repair application	Woven	-50 °C to 120 °C	Direct Application
Repair Patch	Instant Repair	Prepeg fiberglass patch for fixing small holes/areas	Woven	-50 °C to 120 °C	Direct Application
Surface Tissue	Strengthening	Excellent chemical resistance & smooth laminate finish	Non-Woven	-50 °C to 120 °C	Epoxy Resin
Chopped Strand Mat	Strengthening	Surface lamination, thickness build-up, Moulding	Non-Woven	-50 °C to 120 °C	Epoxy Resin

QUIKCONTROL® Carbon Fiber

QUIKCONTROL Carbon Fiber fabric is a performance oriented product for its special strength to weight ratio. Perfectly aligned and weaved graphite fibres helps improve the strength of pipes and other materials without adding too much stress or weight to existing structures.

Carbon Fiber fabric is best used with “CORSMART Resin & Activator” for exceptional reinforcement of weakened pipes and structures.



FEATURES

- Rebuild pipe strength
- Repair leak with high strength
- Reinforce pipe with maximum deterioration level of 80%
- Bonds to both metal and plastic pipes
- Enhance chemical resistance

TECHNICAL DATA

- Tensile Strength : 18600 bar
- Flexural Strength : 18100 bar
- Compressive Strength : 14700 bar
- Thickness : 0.27 mm
- Density : 1.76 g/cm³
- Service Temperature : 5 °C to 220 °C

APPLICATION

- Clean & sand repair area
- Use activated resin as base coat
- Place measured Carbon Fiber fabric & wet out with activated resin.
- Repeat process until required. Ensure to wrap layers as firm as possible

PACKAGING INFORMATION

ITEM CODE	SIZE	IMPA CODE	HS CODE
QCF0101	1.27 m x 1 m	811775	68151091
QCF0105	1.27 m x 5 m	811775	68151091



QUIKCONTROL® Uncoated Fibreglass Repair Tape

QUIKCONTROL Uncoated Fibreglass Repair Tape is a budget oriented product with high glass to resin ratio. The special nature of twisted fiber helps this repair tape achieve the highest strength of all common fiberglass materials. In addition to high strength, Uncoated Fibreglass Repair Tape is easier to work with as it doesn't ravel when wetted out with resins.

Our Uncoated Fibreglass Repair Tape is best used with "CORSMART Resin & Activator" to reinforce quickly and neatly.



FEATURES

- High fiberglass to resin ratio
- High mechanical properties
- Boost mechanical properties further with recommended line of products
- Easy wet out with epoxy, vinyl ester & polyester resins

TECHNICAL DATA

- Tensile Strength (Warp) : 52 bar
- Tensile Strength (Weft) : 43 bar
- Glass Type : E
- Weight : 1.56 g/m²
- Thickness : 0.15 mm
- Weaving Pattern : Plain
- Moisture Absorption : 0.3%

APPLICATION

- Clean & sand repair area
- Prepare Resin & Activator
- Apply first coat of activated resin
- Measure & cut Uncoated Fibreglass Repair Tape
- Place Uncoated Fibreglass Repair Tape & wet out with activated resin.

PACKAGING INFORMATION

ITEM CODE	SIZE	IMPA CODE	HS CODE
QUF4328	100 mm x 98.4 m	812225	70199010



QUIKCONTROL® Fiberglass Repair Tape

QUIKCONTROL Fiberglass Repair Tape is a pre-impregnated (Prepeg), water activated product that provides quick repair with high industrial strength. This permanent fix is a cost-effective solution to repair and reinforce all kinds of pipe leaks (Online & Offline). Fiberglass Repair Tape adds UV protection to wrapped surface.

Our Fiberglass Repair Tape is available bundled in "SEALXTREME PLUS Active Leak Repair Kit".



FEATURES

- No measuring or mixing
- No tools/hot works required
- Rebuild pipe strength
- Reinforce pipe with maximum deterioration level of 80%
- Bonds to most materials
- Enhance chemical resistance
- Smooth Ivory finish

TECHNICAL DATA

- Tensile Strength : 1655 bar
- Flexural Strength : 827 bar
- Lap Shear Strength : 62 bar
- Application Temperature : 0 °C to 65 °C
- Service Temperature : -50 °C to 120 °C
- Dielectric Strength : 16000 volts
- Hardness : 85 Shore D
- Tested Pressure (Cured) : 28 bar

APPLICATION

- Immerse Fiberglass Repair Tape in water for 5 seconds
- Wrap the fiberglass tape around the repair area firmly
- Rub the surface of Fiberglass Repair Tape with water until bubbling of resins stop

PACKAGING INFORMATION

ITEM CODE	SIZE	IMPA CODE	HS CODE
QFT0206	50 mm x 1.8 m	812451	39191099
QFT0309	75 mm x 2.7 m	812452	39191099
QFT0412	100 mm x 3.6 m	812363	39191099
QFT0630	150 mm x 9.1 m	812363	39191099



QUIKCONTROL® Chopped Strand Mat

QUIKCONTROL Chopped Strand Mat is light, flexible and stackable on tight curves as they're made out of glass fibers laid randomly across each other and held together by a resin dissolvable binder. They're a versatile layer buildup product used in many projects.

Our Chopped Strand Mats are most commonly used in combination with "CORSMART Resin & Activator" as a reinforcement product for traditional fiberglass molds, pipes, storage tanks and other large surfaces.



FEATURES

- Fast wet out capability with low resin to glass ratio
- Easy and quick to use with good surface finish
- Build thickness into parts, molds
- Create equal stiffness in all directions

TECHNICAL DATA

- Appearance : White
- Density : 450 g/m²
- Area Weight (%) : ± 10.0
- Moisture Content : ≤ 0.20
- Thickness : ≈ 2 mm

APPLICATION

- Clean & sand repair area
- Prepare Resin & Activator
- Apply two coats of activated resin
- Measure & cut Chopped Strand Mat
- Place Chopped Strand Mat & wet out with activated resin

PACKAGING INFORMATION

ITEM CODE	SIZE	IMPA CODE	HS CODE
QCS1064	1 m x 64 m	812321	70193100



QUIKCONTROL® Surface Tissue

QUIKCONTROL Surface Tissue is a randomly arranged fiberglass with good reinforcement properties & smooth surface finish when combined with a resin binder.

Our Surface Tissues are most commonly used in combination with "CORSMART Resin & Activator" to boost their mechanical properties & provide corrosion resistance to pipes, storage tanks, roofs and other structures.



FEATURES

- Excellent weather proofing
- Extend service repair life
- Provides excellent reinforcement when used with Resin & Activator
- Improve aesthetics of final finish

TECHNICAL DATA

- Fiber Diameter : 12.5 µm ± 1
- Binder Type : Styrene-acrylic
- Thickness : 0.25 mm
- Glass Type : C

APPLICATION

- Clean & sand repair area
- Prepare Resin & Activator
- Apply two coats of activated resin
- Measure & cut Surface Tissue
- Place Surface Tissue and wet out with activated resin

PACKAGING INFORMATION

ITEM CODE	SIZE	IMPA CODE	HS CODE
QSU1200	1 m x 200 m	812325	70199010



QUIKCONTROL® Repair Patch

QUIKCONTROL Repair Patch is a self-adhesive fiberglass activated with water for quick and permanent reinforcement. It adheres to PVC, metal, fibreglass, plastic and most other materials. Repair patch is perfect for flat and round surface repairs. This is a simple-to-use, fast & permanent solution that is applicable to both industrial and residential use.

Our Repair Patch is best used in combination with “SMARTSTIC Epoxy Stick”.



FEATURES

- Activated with water
- Permanent, quick curing, waterproof outdoor repair for vessels, containers, pipes
- Repair low pressure leak
- Excellent adhesion to most metal, wood, plastic and other composite materials

TECHNICAL DATA

- Tensile Strength : 689 bar
- Tensile Elongation : 25%
- Dielectric Strength : 250 volts
- Flexural Strength : 1310 bar
- Hardness : 70 Shore D

APPLICATION

- Clean & sand repair area
- Immerse Repair Patch in water for 5 seconds
- Press the activated patch over the repair area firmly
- Rub patch by spraying water for smooth finish

PACKAGING INFORMATION

ITEM CODE	SIZE	IMPA CODE	HS CODE
QRP0508	50 mm x 80 mm	812298	30051090
QRP0812	80 mm x 120 mm	812298	30051090



QUIKCONTROL® Expanded PTFE Tape

QUIKCONTROL Expanded PTFE Tape is produced by expanding 100% virgin PTFE into a highly fibrillated structure which conforms easily to irregular and rough surfaces. The product is easy to compress and exhibits excellent resistance to creep and cold flow. It seals flanges, pump housings, compressors, air ducts, heat exchangers and other similar structures. We recommend this product for industries such as food & beverage, pharmaceutical, chemical, metallurgical industries.



FEATURES

- Made from virgin PTFE
- Adhesive backing
- Quick and simple to install
- Seal chemicals over the entire pH range (0-14)

TECHNICAL DATA

- Thickness : 5 mm
- Operating Temperature : -268 °C to 260 °C
- Density : 0.75 ±0.1 g/cm³
- Colour : White
- Range Of pH : 0-14

APPLICATION

- Clean sealing surface
- Place the PTFE tape while removing adhesive protection tape progressively

Note: Overlapping both ends of the PTFE tape ensures tight seal

PACKAGING INFORMATION

ITEM CODE	SIZE	IMPA CODE	HS CODE
QEP2505	25 mm x 5 m	812502	39046190
QEP4005	40 mm x 5 m	812502	39046190
QEP5005	50 mm x 5 m	812502	39046190



QUIKCONTROL® WRAPBIND

QUIKCONTROL Wrapbind offers critical corrosion protection for pipelines / valves / bends and tee / flanges / tanks by acting as a strong barrier against corrosion. This visco-elastic adhesive tape can bind onto irregular surfaces enabling it to be used almost anywhere. It is suitable for use with oil & gas and water pipelines.

Wrapbind has self-healing ability against minor surface damages. This corrosion protection adhesive tape has resistance against soil stresses when it's used with **QUIKCONTROL Wrapcover** (an external pipeline coating tape).



FEATURES

- Excellent resistance to corrosion
- Self-Adhesion & Self-healing
- Impermeable to water & oxygen
- No drying & hardening time
- Long shelf-life
- Uniform thickness
- Weather resistance
- Suitable for steel pipelines & similar mechanical structures

TECHNICAL DATA

- Colour : Limegreen
- Thickness : ≥ 1.8 mm
- Length : 10 m
- Width : 150 mm
- Tape Material : Visco-Elastic Adhesive
- Tape Carrier Material : PE Film
- Shelf Life (~ 24 °C) : 24 months

APPLICATION

- Clean surface
- Wrap the WRAPBIND tape while removing adhesive protection tape progressively

PACKAGING INFORMATION

ITEM CODE	SIZE	IMPA CODE	HS CODE
QWB150010	150 mm x 10 m	812471	39191099



QUIKCONTROL® WRAPCOVER

QUIKCONTROL Wrapcover is used as a top-layer wrap to provide additional mechanical protection for pipelines / valves / bends & tee / flanges / tanks / below ground & in harsh environments. It is made up of PolyEthylene (PE) film with strong butyl rubber adhesive for air-tight & water-tight bonding. Key advantages of this tape are enhanced corrosion protection of visco-elastic pipe wraps, improved soil stress resistance, and better structural stability.

Wrapcover is designed for use with our **QUIKCONTROL Wrapbind** product for perfect compatibility. Suitable for use with oil & gas and water pipelines.



FEATURES

- Enhances chemical & mechanical protection
- Excellent adhesion & shear resistance
- Highly conformable tape
- Impermeable to water & oxygen
- Suitable for underground steel pipelines & similar mechanical structures

TECHNICAL DATA

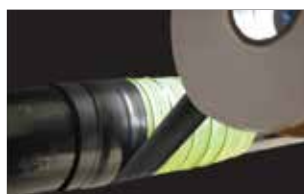
- Colour : Black
- Thickness : 0.50 mm
- Length : 30 m
- Width : 150 mm
- Tape Material : PE Film
- Adhesive Type : Butyl Rubber Adhesive
- Shelf Life (~ 24 °C) : 24 months

APPLICATION

- Clean surface
- Wrap the WRAPCOVER tightly over WRAPBIND with no gaps

PACKAGING INFORMATION

ITEM CODE	SIZE	IMPA CODE	HS CODE
QWC150010	150 mm x 10 m	812471	39191099



QUIKCONTROL® Sealing Tape

QUIKCONTROL Sealing Tape is a perfect permanent solution for air-tight and water-tight sealing in an emergency situation. This silicone based sealing tape was designed specifically to fix active pipe leaks, plumbing problems, open electrical wiring. Sealing tapes are used in many industries including electrical, automotive, hardware, marine. Our product is resistant to fuels, acids, oils and solvents.



FEATURES

- Airtight & waterproof seal
- Seal any irregular shape
- Weather resistant
- Seal active pipe leak (150 psi)
- Self-fusing, no adhesives

TECHNICAL DATA

- Thickness : 0.5 mm
- Elongation Minimum : 300 %
- Operating Temperature : -50 °C to 80 °C
- Hardness : 50 Shore A
- Tensile Strength : 48 bar

APPLICATION

- Wrap Sealing Tape by stretching and overlapping at least 75%

Note: Stretch at least twice the length to ensure good seal. For high pressure leaks, stretch to maximum amount.

PACKAGING INFORMATION

ITEM CODE	SIZE	IMPA CODE	HS CODE
QST2505	25 mm x 5 m	812491	39191099
QST3205	32 mm x 5 m	812492	39191099
QST5005	50 mm x 5 m	812493	39191099



QUIKCONTROL® Hi-Temp Sealing Tape

QUIKCONTROL Hi-Temp Sealing Tape is a perfect emergency air-tight and water-tight sealing solution for systems in elevated temperatures. This high-temperature silicone sealing tape was designed specifically to fix high temperature equipment & systems in domains such as mechanical, electrical and plumbing. Our product provides excellent resistance to radiant heat, electricity, corrosive and chemicals environments.



FEATURES

- Withstand up to 200 °C
- Excellent resistance to radiant heat, electricity, corrosive & chemical environments
- Airtight & waterproof seal
- Self-fusing, no adhesives

TECHNICAL DATA

- Thickness : 0.5 mm
- Elongation Minimum : 300 %
- Operating Temperature : -50 °C to 200 °C
- Hardness : 50 Shore A
- Tensile Strength : 48 bar

APPLICATION

- Wrap Sealing Tape by stretching and overlapping at least 75%

Note: Stretch at least twice the length to ensure good seal. For high pressure leaks, stretch to maximum amount.

PACKAGING INFORMATION

ITEM CODE	SIZE	IMPA CODE	HS CODE
QHT2505	25 mm x 5 m	812175	39191099
QHT3205	32 mm x 5 m	812492	39191099
QHT5005	50 mm x 5 m	812493	39191099



WRAP-PRO® Stainless Steel Pipe Clip

WRAP-PRO Stainless Steel Pipe Clip is a conventional worm drive clamp for mounting, securing, strapping, clamping, positioning and can be applied as an added protection to all live leak fixes. It can be cut into any size as per project requirements.



15 m kit contains

- 15 m (50 ft) SS pipe clip
- 10 pcs Fastener
- 10 pcs Band Splice

30 m Kit contains

- 30 m (100 ft) SS pipe clip
- 25 pcs Fastener
- 25 pcs Band Splice

FEATURES

- Easy to use, versatile and quick installation
- No special tool required
- Flexibility to cut to desired length

TECHNICAL DATA

- Material Grade : Stainless Steel 304
- Band Length : 15 m / 30 m
- Band Width : 12.7 mm
- Screw Housing Head : 7.6mm slotted hex head screw
- Closure : 15.2 mm wide fastener & screw housing assembly

APPLICATION

- Cut SS Pipe Clip's band length as required
- Install screw housing head to one end of the steel band
- Place and connect the steel band on the pipe
- Tighten the screw of Stainless Steel Pipe Clip

PACKAGING INFORMATION

ITEM CODE	SIZE	IMPA CODE	HS CODE
WPC0050	15 metre kit	812366	83059090
WPC0100	30 metre kit	812366	83059090

*Additional Fasteners and Band Splices are available separately.



WRAP-PRO® Clamp & Coupling Reference

WRAP-PRO Clamps provides a permanent and sustainable way to stop leaks in the fastest way possible. They are made with high quality stainless steel to arrest high-pressure leaks quickly and effectively, even under demanding environments. Leak Repair Clamps are available in Standard, Premium & Premium Plus variants based on their pressure & physical properties.

WRAP-PRO Couplings enable safe and secure connection between different pipes. Pipe Couplings are most commonly used to link metal-metal pipes & metal-plastic pipes. Available with sharp teeth for additional grip.

CLAMP/COUPLING SELECTION REFERENCE

PRODUCT NAME	PRODUCT TYPE	MAXIMUM PRESSURE (Bar)	PIPE OD RANGE (mm)
Standard	Repair Clamp	20	21.3 - 355.6
Premium	Repair Clamp	30	26.7 - 355.6
Premium Plus	Repair Clamp	36	42.2 - 1422.4
Grip Type	Coupling	30	21.3 - 355.6

RUBBER SELECTION REFERENCE

RUBBER TYPES		SUITABLE FOR	TEMPERATURE RANGE (°C)
EPDM	Ethylene Propylene Diene Monomer	Industrial water	-20 to 120
MVQ	Methyl Vinyl Silicone	Industrial water	-60 to 200
NBR	Nitrile Butadiene	Hydrocarbons	-30 to 100
FPM	Fluororubber (aka VITON)	Hydrocarbons	-30 to 250

WRAP-PRO® Standard Repair Clamp

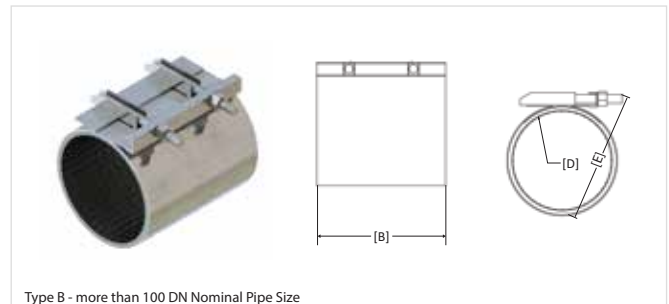
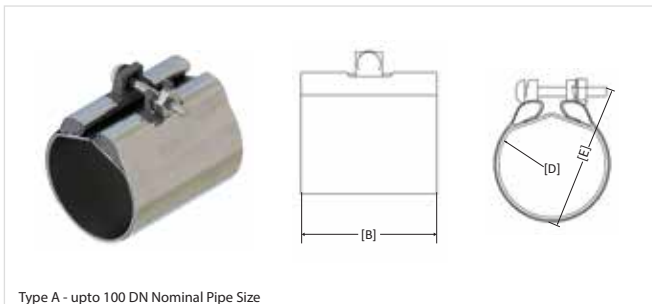
WRAP-PRO Standard Repair Clamp allows quick repair of minor pipe damages from cracks, corrosion or impact damages without expensive shutdown. Standard Repair Clamp features wide tolerances, making them suitable for use with most pipe materials. Suitable for pressure up to 20 Bar (290 psi).

FEATURES

- Light weight & economical Stainless Steel clamp
- Easy & simple installation with no special tools
- Repair small holes and cracks
- Suitable for use with most pipe materials

APPLICATION

- Clean & sand repair area
- Place repair clamp over the damaged area
- Position the lugs with bolt and nut
- Ensure proper alignment and tighten all bolts & nuts



LEGEND

B - Length | D - Diameter | E - Maximum Diagonal length

TECHNICAL DATA

PRODUCT CODE	PIPE OD	NOMINAL PIPE SIZE		CLAMPING RANGE	CLAMP SPECIFICATION			BOLT SPECIFICATION		WORKING PRESSURE
					B	D	E	SIZE	TORQUE	
	(mm)	(mm)	(inch)	(mm)	(mm)	(mm)	(mm)		(Nm)	(bar)
WRCS015075A	21.3	15	½	21 - 25	75	34	90	M10	50	20
WRCS020075A	26.7	20	¾	26 - 30	75	40	85	M10	50	20
WRCS025075A	33.4	25	1	33 - 37	75	45	85	M10	50	20
WRCS032075A	42.2	32	1 ¼	42 - 45	75	51	88	M10	50	20
WRCS040075A	48.3	40	1 ½	48 - 51	75	60	88	M10	50	20
WRCS050075A	60.3	50	2	60 - 64	75	68	125	M10	50	18
WRCS065150A	73.0	65	2 ½	71 - 76	150	85	128	M10	50	16
WRCS075150A	88.9	75	3	87 - 93	150	98	152	M10	50	16
WRCS100150A	114.3	100	4	112 - 117	150	125	160	M10	50	16
WRCS125150B	141.3	125	5	132 - 142	150	151	210	M10	90	14
WRCS150150B	168.3	150	6	166 - 177	150	178	255	M10	90	14
WRCS200150B	219.1	200	8	218 - 228	150	240	305	M10	90	12
WRCS250150B	273.1	250	10	271 - 281	150	294	350	M10	90	10
WRCS300150B	323.9	300	12	321 - 331	150	344	400	M10	110	10
WRCS350150B	355.6	350	14	348 - 358	150	390	435	M10	110	10

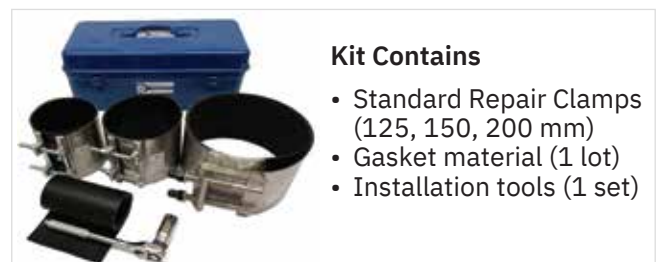
CONTACT US FOR OTHER SIZES & REQUIREMENTS

ALSO AVAILABLE IN BUNDLE KITS

WRAP-PRO® C2 External Pipe Leak Control Kit



WRAP-PRO® C3 External Pipe Leak Control Kit



WRAP-PRO® Premium Repair Clamp

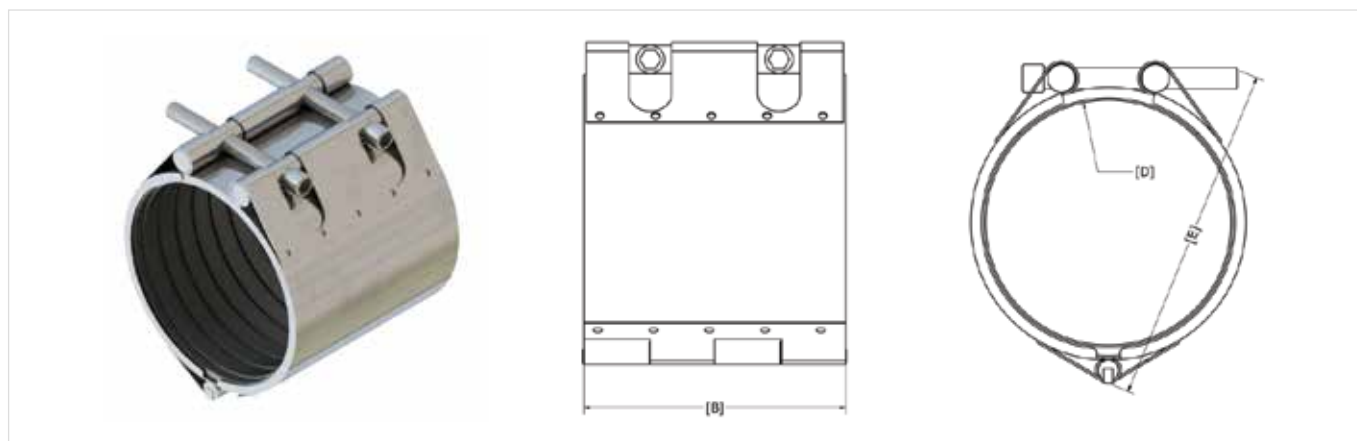
WRAP-PRO Premium Repair Clamp is widely used to repair pressurized pipe leaks due to cracks, corrosion, frost or impact damage without expensive shutdown & pipe replacement costs. Premium Repair Clamps can be used on most pipe materials to repair and reinforce them for longer service. Suitable for pressure up to 30 Bar (435 psi).

FEATURES

- Enhanced shock resistance & sealing capacity
- All Stainless Steel 304 Construction
- Easy & simple installation
- Suitable for use with most pipe materials

APPLICATION

- Clean & sand repair area
- Place repair clamp over the damaged area
- Position the lugs and bolts
- Ensure proper alignment and tighten with hex keys



LEGEND

B - Length | D - Diameter | E - Maximum Diagonal length

TECHNICAL DATA

PRODUCT CODE	PIPE OD	NOMINAL PIPE SIZE		CLAMPING RANGE	CLAMP SPECIFICATION			BOLT SPECIFICATION		WORKING PRESSURE
					B	D	E	SIZE	TORQUE	
	(mm)	(mm)	(inch)	(mm)	(mm)	(mm)	(mm)		(Nm)	(bar)
WRCP020060	26.7	20	¾	26 - 28	57	50	70	M6	10	30
WRCP025060	33.4	25	1	33 - 35	57	55	75	M6	10	30
WRCP032060	42.2	32	1 ¼	42 - 44	57	65	85	M6	15	30
WRCP040060	48.3	40	1 ½	47 - 49	57	70	90	M6	15	30
WRCP050080	60.3	50	2	59 - 62	80	85	105	M8	30	27
WRCP065080	73.0	65	2 ½	72 - 74	80	90	120	M8	30	27
WRCP075110	88.9	75	3	88 - 92	107	110	130	M10	50	25
WRCP100110	114.3	100	4	112 - 116	107	135	155	M10	50	25
WRCP125120	141.3	125	5	137 - 143	116	165	195	M12	80	25
WRCP150120	168.3	150	6	166 - 170	116	195	225	M12	80	22
WRCP200250	219.1	200	8	217 - 221	255	250	280	M14	100	18
WRCP250250	273.1	250	10	271 - 275	255	305	335	M14	100	18
WRCP300250	323.9	300	12	323 - 327	255	355	390	M14	100	16
WRCP350250	355.6	350	14	354 - 358	255	385	420	M14	100	14

CONTACT US FOR OTHER SIZES & REQUIREMENTS

WRAP-PRO® Premium Plus Repair Clamp

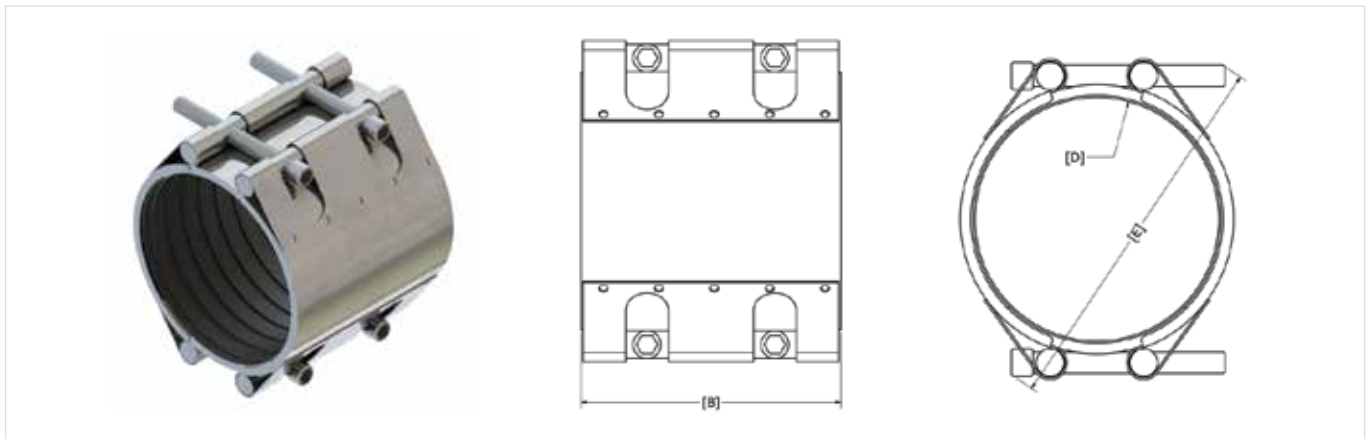
WRAP-PRO Premium Plus Repair Clamp allows repair of pipes in high pressure with greater flexibility. Predominantly, used to fix pipe holes and cracks in narrow spaces as this clamp can be unbolted into two separate pieces for greater flexibility. Premium Plus Repair Clamps can be used on most pipe materials to repair and reinforce them for longer service. Suitable for pressure up to 36 Bar (522 psi).

FEATURES

- Suitable for underwater facilities
- Suitable for use in extremely high temperature and pressure environmental conditions
- Excellent shock resistance & sealing capacity

APPLICATION

- Clean & sand repair area
- Place repair clamp over the damaged area
- Position the lugs and bolts
- Ensure proper alignment and tighten with hex keys



LEGEND

B - Length | D - Diameter | E - Maximum Diagonal length

TECHNICAL DATA

PRODUCT CODE	PIPE OD	NOMINAL PIPE SIZE		CLAMPING RANGE	CLAMP SPECIFICATION			BOLT SPECIFICATION		WORKING PRESSURE
					B	D	E	SIZE	TORQUE	
	(mm)	(mm)	(inch)	(mm)	(mm)	(mm)	(mm)		(Nm)	(bar)
WRPP032060	42.2	32	1 ¼	42 - 44	57	65	85	M6	15	36
WRPP040060	48.3	40	1 ½	47 - 49	57	70	95	M6	15	36
WRPP050080	60.3	50	2	59 - 62	80	85	110	M8	30	33
WRPP065080	73.0	65	2 ½	73 - 75	80	100	125	M8	30	33
WRPP075110	88.9	75	3	88 - 92	107	110	135	M10	30	30
WRPP100110	114.3	100	4	112 - 116	107	135	160	M10	50	30
WRPP125120	141.3	125	5	137 - 143	116	165	200	M12	50	30
WRPP150120	168.3	150	6	166 - 170	116	195	230	M12	80	27
WRPP200250	219.1	200	8	217 - 221	255	250	290	M14	80	22
WRPP250250	273.1	250	10	271 - 275	255	305	345	M14	100	22
WRPP300250	323.9	300	12	323 - 327	255	360	400	M14	100	20
WRPP350250	355.6	350	14	354 - 358	255	385	430	M14	100	20
WRPP400250	406.4	400	16	404 - 408	255	435	460	M14	100	18
WRPP450250	457.2	450	18	455 - 459	255	485	510	M14	100	18
WRPP500250	508.0	500	20	506 - 510	255	540	590	M14	120	16
WRPP600250	609.6	600	24	608 - 612	255	640	700	M16	120	14
WRPP700250	711.2	700	28	709 - 713	255	745	800	M16	120	12
WRPP750250	762.0	750	30	760 - 764	255	795	840	M16	150	12
WRPP800250	812.8	800	32	811 - 815	255	845	900	M16	150	10
WRPP900250	914.4	900	36	912 - 916	255	945	1000	M16	150	8
WRPP1000250	1016.0	1000	40	1014 - 1018	255	1050	1100	M16	150	6
WRPP1100250	1117.6	1100	44	1116 - 1120	255	1150	1200	M16	150	6
WRPP1200250	1219.2	1200	48	1217 - 1221	255	1250	1300	M16	150	5
WRPP1300250	1320.8	1300	52	1319 - 1323	255	1350	1400	M16	150	5
WRPP1400250	1422.4	1400	56	1420 - 1424	255	1455	1500	M16	150	5

CONTACT US FOR OTHER SIZES & REQUIREMENTS

WRAP-PRO® Grip-Type Pipe Coupling

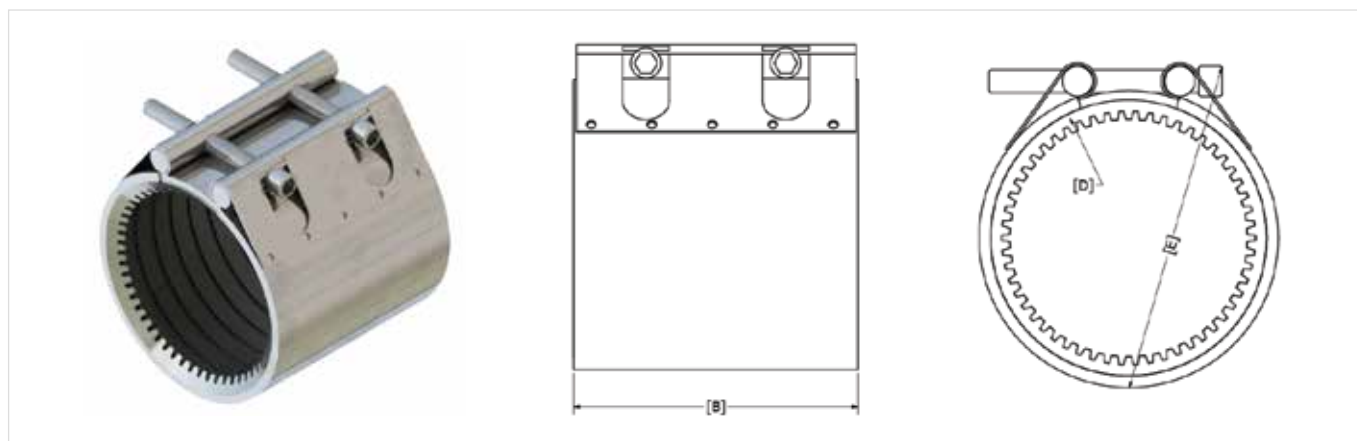
WRAP-PRO Grip-Type Pipe Coupling enables connection between different material pipes by tightly holding onto pipes with sharp teeth to increase sealing capacity, withstand vibrations & prevent loosening. Most commonly used to link metal-metal pipes & metal-plastic pipes. This pipe coupling provides safe connection of two pipes with a maximum gap of 10 mm & 2° angular deflection (varies per model). Suitable for pressure up to 30 Bar (435 psi).

FEATURES

- Enables coupling of different material pipes
- Simple assembly & disassembly
- Eliminates hot work & other messy sealants
- Excellent shock resistance & sealing capacity

APPLICATION

- Clean pipe surface
- Place pipe coupling between connecting pipes
- Position the lugs and bolts
- Ensure proper alignment and tighten with hex keys



LEGEND

B - Length | D - Diameter | E - Maximum Diagonal length

TECHNICAL DATA

PRODUCT CODE	PIPE OD	NOMINAL PIPE SIZE		CLAMPING RANGE	CLAMP SPECIFICATION			BOLT SPECIFICATION		WORKING PRESSURE
					B	D	E	SIZE	TORQUE	
	(mm)	(mm)	(inch)	(mm)	(mm)	(mm)	(mm)		(Nm)	(bar)
WCPG015060	21.3	15	½	21 - 23	57	35	50	M6	15	30
WCPG020060	26.7	20	¾	26 - 28	57	50	70	M6	15	30
WCPG025060	33.4	25	1	33 - 35	57	55	75	M6	15	30
WCPG032060	42.2	32	1 ¼	42 - 44	57	65	85	M6	15	30
WCPG040060	48.3	40	1 ½	47 - 49	57	70	90	M6	15	30
WCPG050080	60.3	50	2	59 - 62	80	85	105	M8	30	27
WCPG065080	73.0	65	2 ½	73 - 75	80	100	120	M8	30	27
WCPG075110	88.9	75	3	88 - 92	107	110	130	M10	50	25
WCPG100110	114.3	100	4	112 - 116	107	135	155	M10	50	25
WCPG125120	141.3	125	5	137 - 143	116	165	195	M12	80	25
WCPG150120	168.3	150	6	166 - 170	116	195	225	M12	80	22
WCPG200250	219.1	200	8	217 - 221	255	250	280	M14	100	18
WCPG250250	273.1	250	10	271 - 275	255	305	335	M14	100	18
WCPG300250	323.9	300	12	323 - 327	255	360	390	M14	100	16
WCPG350250	355.6	350	14	354 - 358	255	385	420	M14	100	14
CONTACT US FOR OTHER SIZES & REQUIREMENTS										

PROJECT REFERENCES

COMPOSITE LIVE LEAK REPAIR ON PPR PIPE ELBOW

PROBLEM STATEMENT

Leak Condition : Pipe elbow leak
Material : PPR (Polypropylene Random Copolymer)
Pipe Size : DN80
Pressure : 10 Bar
Medium : Hot water

PRODUCTS USED

- SEALXTREME PLUS Active Leak Repair Kit
- WRAP-PRO Stainless Steel Pipe Clip



[Learn more](#)



COMPOSITE LIVE LEAK REPAIR ON NATURAL GAS FLANGE

PROBLEM STATEMENT

Leak Condition : Flange Leak
Material : Carbon Steel (CS)
Pipe Size : DN200
Pressure : 2.5 Bar
Medium : Natural Gas

PRODUCTS USED

- FIX 'N' FAST BOND Metal Repair Putty
- SMARTSTIC Epoxy Stick
- QUIKCONTROL Fiberglass Repair Tape



[Learn more](#)



COMPOSITE LIVE LEAK REPAIR ON PVC T-JOINT

PROBLEM STATEMENT

Leak Condition : 150 mm crack along T-Joint
Material : PVC
Pipe Size : DN150
Pressure : 4 Bar
Medium : Waste Water

PRODUCTS USED

- QUIKCONTROL Fiberglass Repair Tape
- SMARTSTIC Epoxy Stick
- QUIKCONTROL SEALING TAPE
- WRAP-PRO Stainless Steel Pipe Clip



[Learn more](#)



PROJECT REFERENCES

LIVE LEAK REPAIR ON CONDENSER WATER PIPE

PROBLEM STATEMENT

Leak Condition : Emergency leak at elbow and t-joint flange
Material : Carbon Steel (CS)
Pipe Size : DN150
Pressure : 12.5 Bar
Medium : Condenser Water
Height of work : High Ceiling (~4 metres)

PRODUCTS USED

- WRAP-PRO Premium Plus Repair Clamp



COMPOSITE REPAIR ON FRP TANK CRACK

PROBLEM STATEMENT

Tank Condition : 500 mm longitudinal crack
Material : Fibre-Reinforced Plastic (FRP)
Size : Diameter 1.2 metres / Length 3 metres
Medium : Industrial Water

PRODUCTS USED

- FIX 'N' FAST BOND Metal Repair Putty
- SMARTSTIC Epoxy Stick
- QUIKCONTROL Fiberglass Repair Tape
- WRAP-PRO Stainless Steel Pipe Clip
- CORSMART Resin & Activator



COMPOSITE LIVE LEAK REPAIR OF UNDERGROUND PIPE

PROBLEM STATEMENT

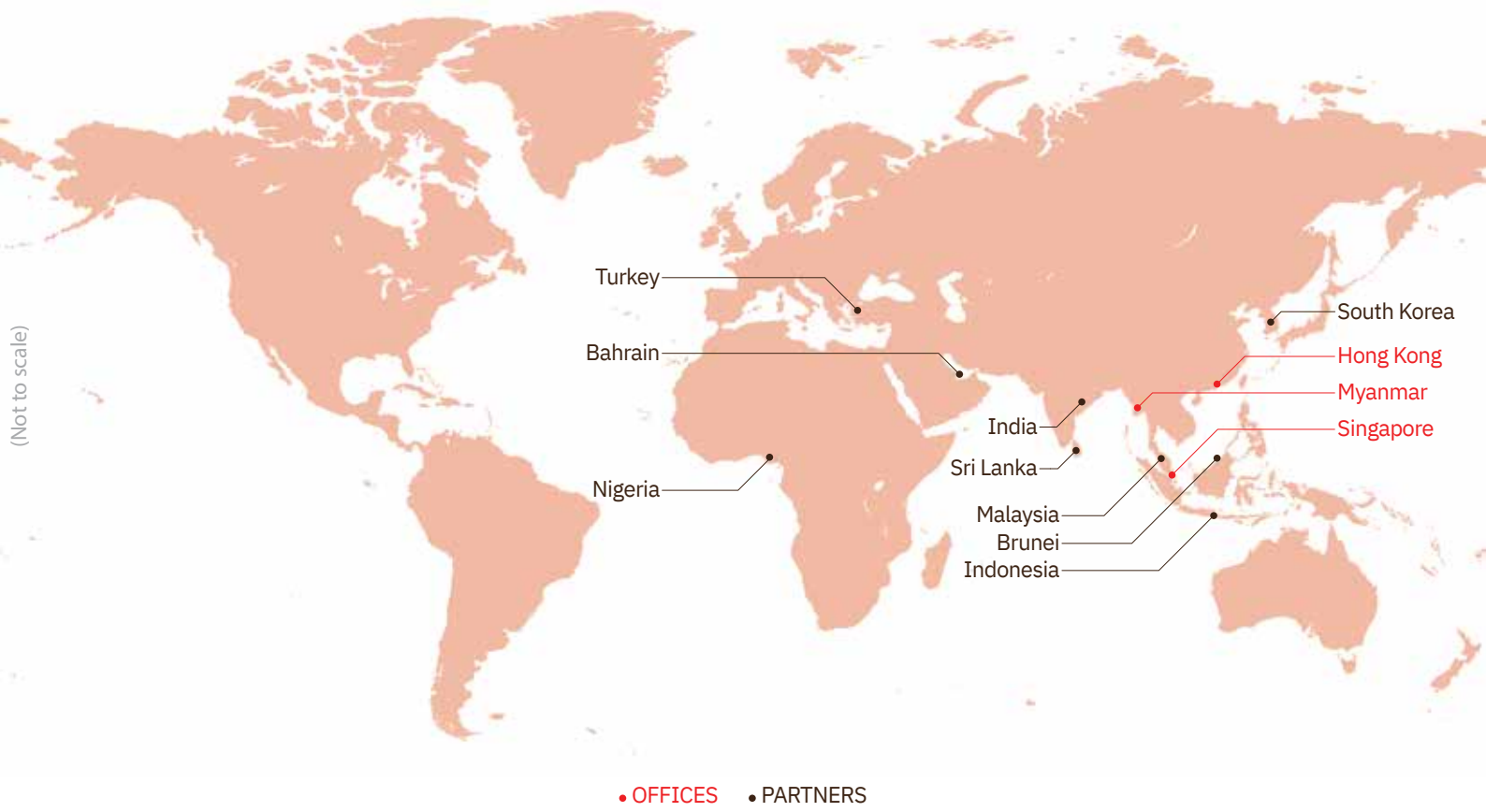
Leak Condition : 250 mm longitudinal crack
Material : Fibre-Reinforced Plastic (FRP)
Pipe Size : DN1300
Pressure : 10 Bar
Medium : Polypropylene

PRODUCTS USED

- FIX 'N' FAST BOND Metal Repair Putty
- SMARTSTIC Epoxy Stick
- QUIKCONTROL Fiberglass Repair Tape
- WRAP-PRO Stainless Steel Pipe Clip



REGIONAL PRESENCE



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