



PREMIUM JACKETING



ADHESIVE TAPES



CORROSION INHIBITORS

PRODUCT CATALOGUE

2024





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CONTINUALLY EXPAND AND
IMPROVE UPON OUR RANGE
OF INDUSTRY LEADING
PRODUCTS AND SERVICES**

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AT YOUR SERVICE

HOW TO ORDER

Email your order to:

orders@protechglobal.co.uk

You will need an account with us in order to place an order directly. If you don't currently have an account you can order from an approved ProTech Global stockist, or you can apply for an account by emailing

sales@protechglobal.co.uk

WHERE TO BUY

Whether you are in the UK, Ireland, or further away, you won't have to go far to find your nearest ProTech approved stockist.

FIND YOUR NEAREST STOCKIST OF PROTECH PRODUCTS

With many years of industry experience and local distribution, ProTech is able to offer customers a wealth of knowledge and skill when it comes to picking the right product for the job.

ProTech is dedicated to supporting local retailers and trade merchants in any country. This is because we firmly believe in the importance of the trade counter - and in giving customers the best possible products and advice for the job in hand. Our premium quality products are stocked in main distribution channels.

By choosing ProTech, it means you are working with a supplier that can help meet all your audit requirements, from Environmental through to Ethical.

If you would like to become a stockist or for more information please get in touch.

CALL: +44 (0)1934 318468

EMAIL: sales@protechglobal.co.uk



PREMIUM QUALITY JACKETING SOLUTIONS

ProTech Ltd was established in 2016 to supply a specialist range of innovative products to provide weatherproof jacketing to insulated systems across a wide range of industries including HVAC and the process industry.

We also supply a range of innovative solutions to help control corrosion within Construction, HVAC, Process and Marine & Offshore markets. Please contact us for more information on any of these areas.

Our market leading range of PROCLAD products include PROCLAD150™, PROCLAD350™ PLUS and PROCLAD PLUS HD™.

GREEN CREDENTIALS

ProTech seeks to lower the impact on the environment wherever possible. We hold ISO 14001:2015 accreditation and aim to recycle any of our PROCLAD™ and adhesive tape packing materials (that can be recycled) that are either returned to us or generated in our warehousing operation.

We have moved to non-bleached/brown cardboard packaging for all our PROCLAD™ and adhesive tape packing materials and look to reduce and or eliminate any single use plastic where possible. We will accept any of our waste packaging materials back to our warehouse for recycling.

ACCREDITATIONS

ACCREDITATION, CERTIFICATION, FIRE TESTING AND TRADE BODIES

PROTECH BEST PRACTICE

We operate in accordance with established best practices to meet and exceed our prescribed benchmarks. Furthermore, our ongoing training requirements, ensure that ProTech stays abreast of the latest advancements and that we maintain a culture of continuous improvement. Our commitment to quality, compliance, and proficiency in all areas of our business is underpinned by the certification and regulation we, and our supply partners, operate under.

ISO 9001

ProTech Global is certificated to ISO 9001. As the International Standard for Quality Management, first published in 1987 by the International Organisation for Standardisation (ISO), it is one of the most commonly used management tools across the world. The current version of ISO 9001 is ISO 9001:2015 includes more focus around customer satisfaction.



ISO 14001:2015

We are deeply committed to reducing waste as part of our broader commitment to sustainability and environmental responsibility.

ProTech has implemented the globally recognised Environmental Management Standard, ISO 1400. Continuous development and improvement ensures that we comply with increasingly stringent environmental laws and regulations. We are working with our supply chain partners to reduce waste further strengthening our commitment to protecting the environment.



Certificate No.402822022

FIRE TESTING

We understand the critical importance of fire testing. We ensure that where applicable our products meet and exceed the highest standards of fire resistance and safety. Our commitment to quality is reflected in our comprehensive fire testing procedures, where our products are subjected to stringent assessments for flame spread, smoke production, heat release, and structural integrity under controlled fire conditions.

This commitment is not just a regulatory obligation; it's a reflection of our dedication to delivering reliable and secure solutions that prioritise the protection of lives and property.

TICA

We are a member of the Thermal Insulation Contractors Association (TICA). TICA has been representing its members in the industrial and commercial insulation sector since 1957. Through quality training and best practice, the National Trade Body and Training Provider is committed to ensuring a highly skilled workforce and an industry fully equipped to provide ever increasing energy efficiency.



CLADDING SOLUTIONS

PROCLAD™ - THE PROFESSIONALS CHOICE

The premium range of insulation cladding materials providing market leading solutions to weatherproofing of insulation materials on HVAC and industrial applications.

Premium weatherproof cladding with unbeatable advantages, low material cost, ease of preparation and fast installation.

Costs and resources are becoming increasingly challenging, PROCLAD™ is more favourable and less volatile than metals and metal sheeting and can be quickly and easily installed.

INNOVATION FOR OUTDOOR INSTALLATIONS

PROCLAD™ is an innovative insulation cladding solution for both internal and external use, with the PROCLAD PLUS range being a further development of PVC and Alu jacketing making it the undisputed market leader in plastic insulation coverings. The proven multi-layer construction provides unprecedented features in technology and efficiency.

The key success factors of PROCLAD150™ and PROCLAD PLUS™ are the ease of installation and machine free handling, that combined with new high technological foil make it an economic, hard wearing, long lasting alternative to the current real metal cladding systems widely in use today.

PERFECT APPEARANCE AND ECONOMIC BENEFITS

PROCLAD PLUS™ differs particularly by its metallic appearance to other PVC sheathings. Especially thanks to the intermediate layer of pure aluminium. A layer of an extremely durable UV protective film protects the middle layer of aluminium from harmful external influences and corrosion, this guarantees that functionality and appearance are maintained in the long run.

Dents and indentations are a thing of the past with PROCLAD PLUS™. The "bounce back" memory effect provides a great advantage, even after months of installation it will remain in top condition. The curling effect completes a perfect, clean and fast installation.

A PREMIUM RANGE OF SUPERIOR QUALITY CLADDING SOLUTIONS

CLADDING SOLUTIONS

PROCLAD150™

THE LONG LASTING PREMIUM WEATHERPROOF CLADDING SYSTEM

PROCLAD150™ is the premium multi-layered laminate cladding system, which provides a weatherproof cladding and jacketing system to insulated duct and pipe systems. The 6-ply laminate has a zero-perm rating to prevent moisture ingress and with increased strength and UV resistance, PROCLAD150™ provides a market leading weatherproof premium jacketing solution. The technically advanced adhesive being solvent free for safe environmentally conscious use, is capable of being applied in wet/humid conditions at extremes of temperatures (-30°C to +130°C).

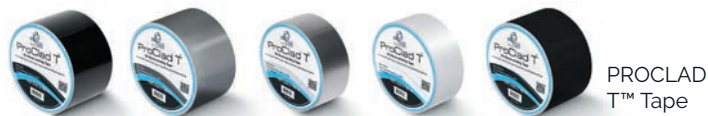


CHARACTERISTICS

Please find below the key characteristics of our PROCLAD150™ premium weatherproof jacketing product. For more information and enquiries please get in touch.

- ✓ External and internal applications
- ✓ Proven UV resistance, 10 years+
- ✓ Increased puncture resistance
- ✓ Salt water resistant
- ✓ Resistant to a range of chemicals
- ✓ Compliant for indirect food contact
- ✓ Fire rating: EN13501-1, IMO Resolution MSC307 (88), ASTM E84 / UL723
- ✓ Long term protection and durability
- ✓ Extends the serviceable life of infrastructure and lowers maintenance

YOU'LL ALSO NEED:



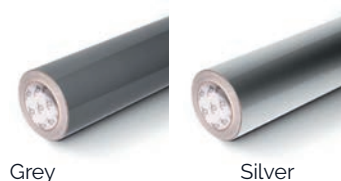
SKU	Colour	Width	Length	Weight	Coverage	Box/Pallet
P150B600	Black	600mm	50m	13.5Kg	30m ²	1/48
P150B1200	Black	†1200mm	50m	27Kg	60m ²	1/1
P150EMB600	Silver Embossed	600mm	50m	13.5Kg	30m ²	1/48
P150EMB1200	Silver Embossed	†1200mm	50m	27Kg	60m ²	1/1
P150G600	Grey	600mm	50m	13.5Kg	30m ²	1/48
P150G1200	Grey	†1200mm	50m	27Kg	60m ²	1/1
P150S600	Silver	600mm	50m	13.5Kg	30m ²	1/48
P150S1200	Silver	†1200mm	50m	27Kg	60m ²	1/1
P150W600	White	600mm	50m	13.5Kg	30m ²	1/48
P150W1200	White	†1200mm	50m	27Kg	60m ²	1/1
P150FB600	Flat Black	600mm	50m	13.5Kg	30m ²	1/48
P150FB1200	Flat Black	†1200mm	50m	27Kg	60m ²	1/1

†Also available in non-adhesive form by request.

PROCLAD PLUS HD™

THE ULTIMATE ALL WEATHER JACKETING & CLADDING SYSTEM

PROCLAD PLUS HD™ with its advanced modified acrylic adhesive, affords superior performance benefits with longstanding results. The new bench mark in multi-layered malleable cladding boasts a zero-perm rating for the prevention of moisture ingress. With increased strength and UV resistance this weatherproof product is the ultimate solution for the cladding of insulated duct and pipe systems, providing unparalleled durability.



Grey

Silver

YOU'LL ALSO NEED:



PROCLAD T™ Tape

CHARACTERISTICS

Please find below the key characteristics of our PROCLAD PLUS HD™ product. For more information and enquiries please get in touch.

- ✓ External & internal applications
- ✓ Proven UV resistance, 10 years+
- ✓ Increased puncture resistance
- ✓ Salt water resistant
- ✓ Resistant to a range of chemicals
- ✓ Compliant for direct food contact
- ✓ Fire rating: EN13501-1, IMO Resolution MSC307 (88), ASTM E84 / UL723
- ✓ Long term protection and durability
- ✓ Extends the serviceable life of infrastructure and lowers maintenance costs

SKU	Colour	Micron	Width	Length	Coverage	Pcs/Carton
PROCLAD HDG600	Grey	350	600mm	25m	15m ²	1/48
PROCLAD HDG1200	Grey	350	†1200mm	25m	30m ²	1/48
PROCLAD HDS600	Silver	350	600mm	25m	15m ²	1/1
PROCLAD HDS1200	Silver	350	†1200mm	25m	30m ²	1/1
PROCLAD HDW914	White	350	914mm	23m	21m ²	1/1
PROCLAD HDEMB914	Silver Embossed	350	914mm	23m	21m ²	1/1

†Available in both adhesive and non-adhesive form.

PROCLAD T™ TAPE

40 MICRON JOINTING TAPE FOR A PROFESSIONAL CLADDING SOLUTION

PROCLAD T™ tape is a premium jointing tape recommended for use with ProTech's premium PROCLAD™ range of jacketing systems.

See page 19 for full description.

SKU	Width	Length	Box Dimensions	Weight	Pcs/Box
PT2X*5025	50mm	50m	300x400x270mm	19kgs	25
PT2X*7515	75mm	50m	300x400x270mm	17kgs	15
PT2X*10010	100mm	50m	300x400x270mm	15kgs	10

*Where X denotes the character of the corresponding colour: Black(B), Grey(G), Silver(S), White(W), Flat Black(FB)



CLADDING SOLUTIONS



PROCLAD PLUS™ PREFORMED

THE NEW STANDARD IN PREFORMED ALL WEATHER PIPE CLADDING

PROCLAD PLUS™ Preformed is an innovative insulation cladding for both interior and exterior pipe applications. PROCLAD PLUS™ Preformed is the further development of multi-layered construction pipe cladding system providing unprecedented features in technology and efficiency. PROCLAD PLUS™ Preformed materials are thickest and strongest product within the ProClad range.

The key success factors of PROCLAD PLUS™ Preformed pipe cladding are the ease of installation combined with the improved mechanical resistance benefits compared to traditional metal cladding. The spring back flexibility of the PROCLAD PLUS™ Preformed system ensures a longer lasting sealed system ensuring insulation remains dry. The

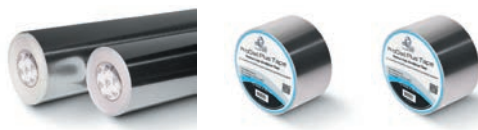
install and maintenance costs of the PROCLAD PLUS™ Preformed system are significantly reduced compared to traditional alternative systems.

PROCLAD PLUS™ Preformed does not require expensive equipment to install and with over 500 fittings available, roll material and tape to seal the system, PROCLAD PLUS™ Preformed is the innovative future for pipe cladding.

ENVIRONMENTALLY RESPONSIBLE

- ✓ Free of ozone-depleting CFC and HCFC compounds
- ✓ The material is almost (<0.5%) completely free of plasticizers
- ✓ Can be used without restriction in food process plants
- ✓ Free of silicones
- ✓ Compliant with direct food contact
- ✓ Fire rating EN 13501-1 & ASTM E84
- ✓ Long term protection and durability
- ✓ Extends service life of infrastructure
- ✓ Reduced install and maintenance costs

YOU'LL ALSO NEED:



PROCLAD350™ PLUS PROCLAD PLUS Tape™
2 ply / 4 ply

PROCLAD350™ PLUS

THE PREMIUM ALL WEATHER JACKETING & CLADDING SYSTEM

PROCLAD350 PLUS™ is the premium multi-layered laminate system, which provides a weatherproof cladding and jacketing system to insulated duct and pipe systems. The laminate has a zero-perm rating to prevent moisture ingress and with increased strength and UV resistance, PROCLAD350 PLUS™ provides a market leading solution. The increased durability with its unique memory effect helps to absorb impacts without deformation or damage providing long term performance and a great appearance.



CHARACTERISTICS

Please find below the key characteristics of our PROCLAD350™ premium zero-perm weatherproof jacketing product. For more information and enquiries please get in touch.

- ✓ External & internal jacketing & cladding applications
- ✓ Proven UV resistance, 10 years+
- ✓ Increased puncture resistance
- ✓ Salt water resistant
- ✓ Resistant to a range of chemicals
- ✓ Compliant for direct food contact
- ✓ Fire rating EN 13501-1
- ✓ Long term protection and durability
- ✓ Extends the serviceable life of infrastructure and lowers maintenance costs



YOU'LL ALSO NEED:



PROCLAD PLUS Tape™
2 ply / 4 ply

PROCLAD T™ Tape

SKU	Colour	Width	Length	Weight	Coverage	Pcs/Carton
P350B600	Black	600mm	25m	12Kg	15m ²	1/48
P350B1000	Black	†1000mm	25m	20Kg	25m ²	1/1
P350B1200	Black	†1200mm	25m	24Kg	30m ²	1/1
P350EMB600	Silver Embossed	600mm	25m	12.5Kg	15m ²	1/48
P350EMB1000	Silver Embossed	†1000mm	25m	20.5Kg	25m ²	1/1
P350EMB1200	Silver Embossed	†1200mm	25m	25Kg	30m ²	1/1
P350S600	Silver	600mm	25m	12Kg	15m ²	1/48
P350S1000	Silver	†1000mm	25m	20Kg	25m ²	1/1
P350S1200	Silver	†1200mm	25m	24Kg	30m ²	1/1
P350W600	White	600mm	25m	12Kg	15m ²	1/48
P350W1000	White	†1000mm	25m	20Kg	25m ²	1/1
P350W1200	White	†1200mm	25m	24Kg	30m ²	1/1

†Also available in non-adhesive form by request.

CLADDING SOLUTIONS

PROCLAD PLUS TAPE™

PREMIUM 2 PLY ALUMINIUM FOIL TAPE FOR PROCLAD™ JACKETING

PROCLAD PLUS Tape™ is a premium 2 ply aluminium foil jointing tape recommended for use with ProTech's premium PROCLAD™ range of jacketing systems.

This premium grade tape, constructed to the highest of specifications and coated with a strong, reliable, acrylic adhesive with highly conformable characteristics provides the smoothest of seals, which helps to impart both a weather proof finish as well as a vapour seal; maintaining insulation efficiency by protecting against the effects of fire, moisture and dust.

PROCLAD PLUS Tape™ is designed for both internal and external conditions, with the outer layer being UV resistant.

350 Micron
80/130

Service Temp
-40°C - +120°C

SKU	Ply	Width	Length	Box Dimensions	Weight	Pcs/Box
PPT25024	2 Ply	50mm	50m	300x380x230mm	11.5kgs	24
PPT27516	2 Ply	75mm	50m	300x380x230mm	11.5kgs	16
PPT210012	2 Ply	100mm	50m	300x380x230mm	11.5kgs	12

†Please check with a technical product expert to determine suitability for a particular purpose prior to use.



TYPICAL APPLICATIONS

- ✓ Widely used in the HVAC industry for joining and sealing of foil-scrim faced laminated fibreglass blankets, duct board, pipe sections and seams cladded with PROCLAD™ Jacketing systems, in both internal and external applications.
- ✓ Also used in other industrial applications requiring a 350 micron aluminium foil jointing tape with similar characteristics and benefits.†

PROCLAD PLUS TAPE™

PREMIUM 4 PLY ALUMINIUM FOIL TAPE FOR PROCLAD™ JACKETING

PROCLAD PLUS Tape™ is a premium 4 ply aluminium foil jointing tape recommended for use with ProTech Ltd, premium PROCLAD™ range of jacketing systems.

This premium grade tape, constructed to the highest of specifications and coated with a strong, reliable, acrylic adhesive with highly conformable characteristics provides the smoothest of seals, which helps to impart both a weather proof finish as well as a vapour seal; maintaining insulation efficiency by protecting against the effects of fire, moisture and dust.

PROCLAD PLUS Tape™ is designed for both internal and external conditions, with the outer layer being UV resistant.

350 Micron
80/130

Service Temp
-40°C - +120°C

SKU	Ply	Width	Length	Box Dimensions	Weight	Pcs/Box
PPT47516	4 Ply	75mm	50m	320x320x320mm	15kgs	16

†Please check with a technical product expert to determine suitability for a particular purpose prior to use.



TYPICAL APPLICATIONS

- ✓ Widely used in the HVAC industry for joining and sealing of foil-scrim faced laminated fibreglass blankets, duct board, pipe sections and seams cladded with PROCLAD™ Jacketing systems, in both internal and external applications.
- ✓ Also used in other industrial applications requiring a 350 micron aluminium foil jointing tape with similar characteristics and benefits.†

PROCLAD100™

THE ECONOMICAL CLADDING SYSTEM

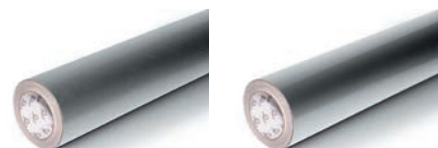
PROCLAD100™ is the economical multi-layered laminate system, which provides a weatherproof cladding and jacketing system to insulated duct and pipe systems. The multi-laminate has a zero-perm rating to prevent moisture ingress but without the UV resistance PROCLAD150™ offers. This provides an economical market leading solution. The technically advanced adhesive being solvent free for safe environmentally conscious use, is capable of being applied in wet/humid conditions at extremes of temperatures (-30°C to +149°C).



CHARACTERISTICS

Please find below the key characteristics of our PROCLAD100™ product. For more information and enquiries please get in touch.

- ✓ External & internal applications
- ✓ Resistant to a range of chemicals
- ✓ BS 476 parts 6&7: Class'O'
- ✓ Long term protection and durability
- ✓ Extends the serviceable life of infrastructure and lowers maintenance costs



Silver Embossed

Silver

YOU'LL ALSO NEED:



PROCLAD T™ Tape

SKU	Colour	Width	Length	Weight	Coverage	Pcs/Carton
P100EMB600	Silver Embossed	600mm	50m	13Kg	15m ²	1/48
P100EMB1200	Silver Embossed	1200mm	50m	26Kg	25m ²	1/1
P100S600	Silver	600mm	50m	13Kg	30m ²	1/48
P100S1200	Silver	1200mm	50m	26Kg	15m ²	1/1

†Also available in non-adhesive form by request.

PROFOIL50™ / PROFOIL60™

50 / 60 MICRON ALUMINIUM PURE FOIL FOR PROFESSIONALS

Our premium grade 50 and 60 micron aluminium pure foil products are extensively used with thermal insulation as a vapor barrier and reflective layer for mineral wool facings, lamella mats and pipe covers. Our ProFoil50 / ProFoil60 are also used as a barrier foil on stainless steel pipe to help prevent stress fracture.

SKU	Colour	Micron	Width (mm)	Length (m)
PF50500	Silver	50	500	60
PF501000	Silver	50	1000	60
PF60500	Silver	60	500	60
PF601000	Silver	60	1000	60



CLADDING SOLUTIONS

PRO-BAND 60™

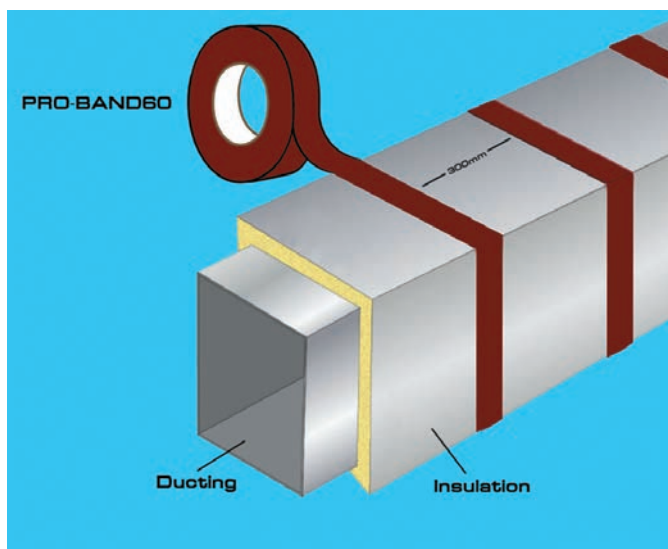
INSULATION BANDING SYSTEM

Pro-Band60™ is a self-adhesive insulation banding solution, designed and engineered to create an external mechanical fix for insulated ducting systems.

Pro-Band60™ provides an independent fixing solution which doesn't rely on mechanically fixing directly to the duct and relying on a secondary substrate to support the insulation.

Pro-Band60™ does not compromise the integrity of the insulation system and assists with maintaining a air tight solution.

THE INDEPENDENT FIXING, LOAD BEARING SOLUTION



CHARACTERISTICS

- ✓ Fast, dry, easy installation
- ✓ Reduce the effects of excess air leakage
- ✓ Application all year round
- ✓ Long term installation benefits
- ✓ Suitable for mineral wool, rigid foam insulation
- ✓ Square and circular duct installations
- ✓ High wind load resistance

SKU	Width	Length	Box Dims	Weight	Pcs/Box
PROBAND 605020	60mm	50m	230 x 230 x 310mm	7kgs	20

CASE STUDY

LOCATION: MIDLANDS, UK
INSULATION: RIGID FOAM
MECHANICAL FIXING: PRO-BAND 60™

Pro-Band60™ is a self-adhesive insulation banding solution, designed and engineered to create an external mechanical fix for insulated ducting systems.

Pro-Band60 was used to offer mechanical protection within a challenging environment, creating an independent fixing for the insulation system.





ADHESIVE TAPES

FOR HVAC, CONSTRUCTION, PROCESS PLANT, MARINE AND OFFSHORE MARKETS

ProTech manufacture and supply innovative, market leading products for a wide range of markets globally. The range of adhesive options provides the markets with high quality products providing long term performance benefits across all environments, tested to and exceeding market requirements.

ProTech partners with the largest manufacturers and fabricators to provide innovative systems reducing energy consumption and reducing environmental impact.

The adhesive range includes acrylics and hot melt adhesives ensuring applications for cold and hot environments, key product lines include vapour sealing tapes, weatherproofing cladding, adhesives facings for internal and external applications.

EXTENSIVE RANGE OF PREMIUM SELF ADHESIVE ALUMINIUM FOIL JOINTING AND SEALING TAPES

ADHESIVE TAPES

GT30HT™

THE PREMIUM HIGH TACK COLD WEATHER FOIL TAPE

GT30HT™ is our premium aluminium foil tape. Manufactured to the highest of specifications and coated with a solvent acrylic pressure sensitive instant grab adhesive, this conformable dead soft aluminium foil tape can be easily moulded to irregular surfaces, maintaining insulation efficiency by protecting against the effects of fire, moisture and dust.

Designed with today's demanding application requirements in mind, this premium grade tape product exhibits superior standards of reliability, strength and durability whilst excelling in demanding temperature and humidity applications, making GT30HT the tape of choice for extreme environments.



SKU	Width	Length	Box Dimensions	Weight	Pcs/Box
GT30HT4824	48mm	45m	280x280x300mm	11.5kgs	24
GT30HT7216	72mm	45m	280x280x300mm	11.5kgs	16
GT30HT9612	96mm	45m	280x280x300mm	11.5kgs	12



TYPICAL APPLICATIONS

- ✓ For the jointing and sealing of foil faced insulation materials
- ✓ Providing a complete vapour seal within the HVAC industry
- ✓ Jointing tape for foil faced structural insulation boards and flexible rolls
- ✓ Sealing of flexible duct insulation

GT30R™

SUPERIOR SEAL RUBBER-BASED ADHESIVE FOIL JOINTING TAPE

Manufactured to the highest of specifications and coated with a high tack synthetic rubber-based adhesive GT30R™ is a market leading superior seal aluminium foil jointing tape product for use in multiple sectors. This conformable dead soft aluminium foil tape exhibits instant grab and can be easily moulded to any profile, maintaining insulation efficiency by protecting against the effects of fire, moisture and dust.

GT30R™ meets with today's demanding application requirements by providing superior standards of reliability, strength and durability with its key characteristics promoting the optimum balance of surface conformity and tensile strength making it the ideal choice for the sealing of foil faced insulation materials.



SKU	Width	Length	Box Dimensions	Weight	Pcs/Box
GT30R4824	48mm	45m	280x280x300mm	13kgs	24
GT30R7216	72mm	45m	280x280x300mm	13kgs	16
GT30R9612	96mm	45m	280x280x300mm	13kgs	12



TYPICAL APPLICATIONS

- ✓ For the jointing and sealing of foil faced insulation materials
- ✓ Providing a complete vapour seal within the HVAC industry
- ✓ Jointing tape for foil faced structural insulation boards and flexible rolls
- ✓ Sealing of flexible duct insulation

MB30™

PREMIUM MATT BLACK FOIL TAPE FOR INTERIOR APPLICATIONS

MB30™ is a professional grade 30 micron aluminium foil tape in a matt black finish. This premium grade tape product is coated with a high performance synthetic rubber adhesive and protected by an easy release silicone paper.

Manufactured to the highest of specifications this professional matt black tape is easily conformable to irregular surfaces, providing an effective instant barrier against, heat cold, dust and moisture. MB30™ is the professional solution for the installer looking for a matt black aluminium faced tape for interior applications.

 Micron
30

 Service Temp
-40°C - +80°C

SKU	Width	Length	Box Dimensions	Weight	Pcs/Box
MB305024	50mm	50m	260x280x310mm	10.5kgs	24
MB307516	75mm	50m	260x280x310mm	10.5kgs	16
MB3010012	100mm	50m	260x280x310mm	10.5kgs	12
MB306001	600mm	50m	600x180x180mm	6kgs	1
MB3012001	1200mm	50m	1200x180x180mm	10.5kgs	1



TYPICAL APPLICATIONS

- ✓ For sealing intersections on matt black surfaces. For interior use only.
- ✓ Invisible repairs where a matt black finished is required.
- ✓ Perfect for use in the arts and entertainments, and appliance industries.
- ✓ Suitable as assembly aid for rubber system sealings.
- ✓ Strong adhesive suitable for construction.

MF65™

TRI-LAMINATE CRYOGENIC VAPOUR BARRIER TAPE

MF65™ is a premium vapour barrier tape product. Manufactured as a three-layer lamination of polyester film(12 micron), aluminium foil(25 micron) and polyester film(12 micron), and coated with a cold weather pressure sensitive acrylic adhesive, this premium grade tape product is specifically designed as a vapour barrier in thermal insulations.

This conformable tri-laminate tape applies the outstanding chemical characteristics of its polyester and aluminium construction to provide outstanding performance; excelling in extreme cold or humid conditions. Suitable for both internal or external applications and providing a complete vapour stop solution, MF65 meets the demanding requirements of the today's professional installers.

 Micron
49

 Service Temp
-30°C - +130°C

SKU	Width	Length	Box Dimensions	Weight	Pcs/Box
MF654824	48mm	50m	280x280x300mm	14kgs	24
MF657216	72mm	50m	280x280x300mm	14kgs	16
MF659612	96mm	50m	280x280x300mm	14kgs	12
MF651000NA†	1000mm	200m	1200x180x180mm	15.5kgs	1
MF6512001	1200mm	50m	1200x180x180mm	15.5kgs	1

†Non-adhesive.



TYPICAL APPLICATIONS

- ✓ Laminated aluminium backing providing excellent reflection of both heat and light sources.
- ✓ Extremely high-quality solvent acrylic high tack adhesive offering reliable and durable sealing and bonding characteristics at extreme cold and high humidity environments.
- ✓ Excellent aging resistance for both internal and external applications.

ADHESIVE TAPES

GTR55™

REINFORCED COLD WEATHER ALUMINIUM FOIL TAPE

GTR55™ manufactured with a reinforced foil is easy to apply and the perfect solution for those challenging environments where an increased strength foil faced premium tape product is required.

Complementing our market leading range of premium foil faced tape products, this superior tape, manufactured to the highest specifications benefits from a reinforced 5mm² glass scrim and kraft paper. Coated with an aggressive pressure sensitive solvent acrylic the final bond has high shear strength exhibiting superior standards of reliability, strength and durability, promoting the optimum balance of surface conformity and tensile strength making it the perfect choice for the sealing of foil faced insulation materials, rigid board and pipe section.

 Micron
43

 Service Temp
-30°C - +120°C

 Class 0

SKU	Width	Length	Box Dimensions	Weight	Pcs/Box
GTR554824	48mm	50m	300x300x300mm	13kgs	24
GTR557216	72mm	50m	300x300x300mm	13kgs	16
GTR559612	96mm	50m	300x300x300mm	13kgs	12



TYPICAL APPLICATIONS

- ✓ For the jointing and sealing of foil-scrim facing laminated fibreglass blanket, duct board and pipe section joints.
- ✓ Sealing of flexible air duct seams and connections
- ✓ Sealing of rigid board, mineral wool slabs or rolls within HVAC, construction and Industrial markets.

GTB65™

PREMIUM REINFORCED MATT BLACK ALUMINIUM FOIL TAPE

GTB65™ is a professional grade reinforced 30 micron aluminium foil tape in a matt black finish. This foil / scrim laminate with a bi-directional 5mm x 5mm reinforcement is coated with a high performance acrylic pressure sensitive adhesive and protected by an easy release silicone paper.

Being of laminated construction and manufactured to the highest of specifications this professional reinforced tape product is easily conformable to irregular surfaces, providing an effective instant barrier against, heat cold, dust and moisture. GTB65™ is the professional solution for the installer looking for a reinforced matt black aluminium faced tape for interior applications.

 Micron
30

 Service Temp
-20°C - +75°C

SKU	Width	Length	Box Dimensions	Weight	Pcs/Box
GTB655024	50mm	50m	280x280x300mm	11.5kgs	24
GTB657516	75mm	50m	280x280x300mm	11.5kgs	16
GTB6510012	100mm	50m	280x280x300mm	11.5kgs	12
GTB656001	600mm	50mm	600x180x180	6kgs	1
GTB6512001	1200mm	50m	1200x180x180mm	11.5Kgs	1



TYPICAL APPLICATIONS

- ✓ Jointing and sealing of HVAC ducting systems, for interior use only.
- ✓ Invisible repairs where a matt black finished is required.
- ✓ Perfect for use in the arts and entertainments, and appliance industries.
- ✓ Strong and conformable.

GT40HT™

40 MICRON COLD WEATHER HIGH TACK ALUMINIUM FOIL TAPE

GT40HT™ is a premium 40 micron aluminium foil tape. Manufactured to the highest of specifications and coated with a high tack solvent acrylic pressure sensitive instant grab adhesive, this conformable dead soft aluminium foil tape can be easily moulded to irregular surfaces, maintaining insulation efficiency by protecting against the effects of fire, moisture and dust.

Designed with today's demanding application requirements in mind, this premium grade tape product exhibits superior standards of reliability, strength and durability whilst excelling in demanding temperature and humidity applications, making GT40HT the tape of choice for extreme environments.



SKU	Width	Length	Box Dimensions	Weight	Pcs/Box
GT40HT4824	48mm	45m	280x280x300mm	13kgs	24
GT40HT7216	72mm	45m	280x280x300mm	13kgs	16
GT30HT9612	96mm	45m	280x280x300mm	13kgs	12



TYPICAL APPLICATIONS

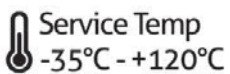
- ✓ Provide complete vapour seal within the HVAC industry
- ✓ Jointing tape for foil faced structural insulation boards and flexible rolls
- ✓ Sealing of flexible duct insulation

GT50HT™

50 MICRON (2.0 MIL) COLD WEATHER HIGH TACK FOIL TAPE

GT50HT™ is the premium aluminium foil tape. Manufactured to the highest of specifications and coated with a high tack solvent acrylic pressure sensitive instant grab adhesive, this conformable dead soft aluminium foil tape can be easily moulded to irregular surfaces, maintaining insulation efficiency by protecting against the effects of fire, moisture and dust.

Designed with today's demanding application requirements in mind, this premium grade tape product exhibits superior standards of reliability, strength and durability whilst excelling in demanding temperature and humidity applications, making GT50HT™ the tape of choice for extreme environments.



SKU	Width	Length	Box Dimensions	Weight	Pcs/Box
GT50HT4824	48mm	45m	280x280x300mm	14.5kgs	24
GT50HT7216	72mm	45m	280x280x300mm	14.5kgs	16
GT50HT9612	96mm	45m	280x280x300mm	14.5kgs	12



TYPICAL APPLICATIONS

- ✓ Provide complete vapour seal within the HVAC industry
- ✓ Jointing tape for foil faced structural insulation boards and flexible rolls
- ✓ Sealing of flexible duct insulation

ADHESIVE TAPES

GT1625HT™

THE PREMIUM FSK (FOIL/SCRIM/KRAFT) ALUMINIUM FOIL TAPE

GT1625HT™ is a premium grade tri-directional reinforced FSK (foil/scrim/kraft) insulation tape protected by an easy release silicone paper. Specifically designed to match FSK faced insulation materials, this high performance adhesive tape is fire retardant and mold resistant.

Being a lamination of aluminium foil, kraft paper, and reinforced fibreglass, this cost effective adhesive tape product is manufactured to the highest of specifications providing a protective insulative barrier against heat, cold, dust and moisture. The high performance pressure sensitive adhesive provides a long term adhesive bond which excels in both very cold and high humidity environments, making it an ideal choice for the sealing of FSK foil faced insulation materials in the HVAC sectors.



SKU	Width	Length	Box Dimensions	Weight	Pcs/Box
GT1625HT224	2"	45m	300x300x300mm	12kgs	24
GT1625HT316	3"	45m	300x300x300mm	12kgs	16
GT1625HT412	4"	45m	300x300x300mm	12kgs	12



TYPICAL APPLICATIONS

- ✓ Sealing of fibrous ductboard
- ✓ Vapor seal for reinforced aluminium faced fibreglass or mineral wool thermal insulations

GT8025HT™

PREMIUM ALL SERVICE JACKET TAPE FOR ASJ FACED INSULATION

GT8025HT™ ASJ - All Service Jacketing Tape, is a flexible high performance tape with an easy release silicone liner, scrim and foil backing. Designed to match ASJ faced insulation materials it achieves a long term bond from the inherent characteristics of its high performant pressure sensitive solvent acrylic adhesive specially formulated to provide a reliable and durable fix in both cold and hot humid environments.

This conformable tape can be easily moulded to irregular surfaces, maintaining insulation efficiency by protecting against the effects of fire, moisture and dust. Used as a permanent closure system and vapour barrier seal on ASJ faced insulation duct, pipe systems, and for the sealing and repairing in refrigerated applications.



SKU	Width	Length	Box Dimensions	Weight	Pcs/Box
GT8025HT224	2"	45m	280x280x300mm	12kgs	24
GT8025HT316	3"	45m	280x280x300mm	12kgs	16
GT8025HT412	4"	45m	280x280x300mm	12kgs	12



TYPICAL APPLICATIONS

- ✓ Sealing of fibrous ductboard
- ✓ Vapor seal for reinforced aluminium faced fibreglass or mineral wool thermal insulations
- ✓ Sealing of ASJ faced insulation

PROCLAD T™ TAPE

40 MICRON JOINTING TAPE FOR A PROFESSIONAL CLADDING SOLUTION

PROCLAD T™ tape is a premium jointing tape recommended for use with ProTech's premium PROCLAD™ range of jacketing systems.

PROCLAD T™ tape is the premium multi-layered laminate tape to be used in conjunction with PROCLAD100™ or PROCLAD150™ and PROCLAD PLUS HD™ on pipe applications. The tape provides a weatherproof jointing seal to pipe fittings. The laminate has a zero perm rating to prevent moisture ingress and with increased strength and UV resistance, PROCLAD T™ tape provides a market leading solution.

Available in black, grey, silver, white & flat black.

40 Micron

Service Temp
-40°C - +130°C

SKU	Width	Length	Box Dimensions	Weight	Pcs/Box
PT2X*5025	50mm	50m	300x400x270mm	19kgs	25
PT2X*7515	75mm	50m	300x400x270mm	17kgs	15
PT2X*10010	100mm	50m	300x400x270mm	15kgs	10

*Where X denotes the character of the corresponding colour: Black(B), Grey(G), Silver(S), White(W), Flat Black(FB)

†Please check with a technical product expert to determine suitability for a particular purpose prior to use.



TYPICAL APPLICATIONS

- ✓ Widely used in the HVAC industry for joining and sealing of foil-scrim faced laminated fibreglass blankets, duct board, pipe sections and seams cladded with PROCLAD™ Jacketing systems, in both internal and external applications.
- ✓ Also used in other industrial applications requiring a 350 micron aluminium foil jointing tape with similar characteristics and benefits.†

PROCLAD PLUS TAPE™

PREMIUM 2 OR 4 PLY ALUMINIUM FOIL TAPE FOR PROCLAD™ JACKETING

PROCLAD PLUS Tape™ is a premium aluminium foil jointing tape available in 2 or 4 ply variants recommended for use with ProTech's premium PROCLAD PLUS™ range of jacketing systems.

This premium grade tape, constructed to the highest of specifications and coated with a strong, reliable, acrylic adhesive with highly conformable characteristics provides the smoothest of seals, which helps to impart both a weather proof finish as well as a vapour seal; maintaining insulation efficiency by protecting against the effects of fire, moisture and dust.

PROCLAD PLUS Tape™ is designed for both internal and external conditions, with the outer layer being UV resistant.

80/130 Micron

Service Temp
-40°C - +120°C

SKU	Ply	Width	Length	Box Dimensions	Weight	Pcs/Box
PPT25024	2 Ply	50mm	50m	300x380x230mm	11.5kgs	24
PPT27516	2 Ply	75mm	50m	300x380x230mm	11.5kgs	16
PPT47516	4 Ply	75mm	50m	320x320x320mm	15kgs	16
PPT210012	2 Ply	100mm	50m	300x380x230mm	11.5kgs	12

†Please check with a technical product expert to determine suitability for a particular purpose prior to use.



TYPICAL APPLICATIONS

- ✓ Widely used in the HVAC industry for joining and sealing of foil-scrim faced laminated fibreglass blankets, duct board, pipe sections and seams cladded with PROCLAD™ Jacketing systems, in both internal and external applications.
- ✓ Also used in other industrial applications requiring a 350 micron aluminium foil jointing tape with similar characteristics and benefits.†

ADHESIVE TAPES

TAPE COMPARISON CHART

TAPE CHARACTERISTICS	GT3oHT	GT3oR	GT4oHT	GT5oHT
Suitable for the sealing of foil faced insulation	●	●	●	●
Suitable for application in cold temperatures	●	○	●	●
Suitable for hot and humid environments	●	●	●	●
Suitable for cryogenic applications	○	○	○	○
Suitable to match internal matt black facings	○	○	○	○
Suitable to seal joints to FSK faced Insulation	○	○	○	○
Suitable to seal joints to ASJ faced Insulation	○	○	○	○
Moisture resistant	●	●	●	●
High peel adhesive strength	●	●	●	●
High sheer adhesive strength	●	●	●	●
Cold weather acrylic adhesive	●	○	●	●
Rubber based adhesive	○	●	○	○
No added chlorines or chlorides in adhesive	●	●	●	●
Suitable for stress fracture pipe wrap protection	○	○	○	●
Suitable for the sealing of housewrap materials	○	○	○	○
KEY PRODUCT DATA	GT3oHT	GT3oR	GT4oHT	GT5oHT
Thickness (facing)	30 micron	30 micron	40 micron	50 micron
Tensile strength	45N/25mm	25N/25mm	55N/10mm	45N/25mm
Elongation	3%	3%	3%	3%
Application temperature (°C)	-20 to +40	+10 to +40	-20 to +40	-20 to +40
Temperature range (°C)	-35 to +120	-20 to +80	-35 to +120	-35 to +120
Available colours	silver	silver	silver	silver
Available widths (mm)	48,72 & 96	48,72 & 96	48,72 & 96	48,72 & 96
FIRE RATING	GT3oHT	GT3oR	GT4oHT	GT5oHT
BS 476 / Class 0	●	●	●	●
ASTM E84 / UL 723 0 0 0 4	○	○	○	●
EN13501	●	○	○	○

Catalogue page reference	page 14	page 14	page 17	page 17
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Values listed are typical values and should not be used for specification purposes. Data results from tests performed at room temperature unless otherwise noted.

ADHESIVE TAPES

GTB65	GTR55	GT1625HT	GT8025HT	MB30	MF65
○	●	◐	○	○	◐
●	●	●	●	●	●
●	●	●	●	●	●
○	○	○	○	○	●
●	○	○	○	●	○
○	○	●	○	○	○
●	●	○	●	○	●
●	●	●	●	●	●
●	●	●	●	●	●
●	●	●	●	●	●
○	●	●	●	○	●
○	○	○	○	●	○
●	●	●	●	●	●
○	○	○	○	○	○
○	○	○	○	○	○
GTB65	GTR55	GT1625HT	GT8025HT	MB30	MF65
30 micron	43 micron	120 micron	125 micron	30 micron	49 micron
1.2N/10mm	100N/25mm	120N/25mm	215N/25mm	20N/10mm	109N/15mm
3-5%	3%	1%	1%	5%	63%
-10 to +75	+10 to +40	+10 to +40	+10 to +40	-10 to +75	-30 to +130
-20 to +75	-30 to +120	-30 to +80	-30 to +80	-40 to +80	-30 to +130
black	silver	silver	silver	black	silver
50,75,100, 600 & 1200	48,72 & 96	48,72 & 96	48,72 & 96	50,75,100, 600 & 1200	50,75, 100 & 1200
GTB65	GTR55	GT1625HT	GT8025HT	MB30	MF65
○	●	●	○	○	○
○	○	●	○	○	○
○	○	○	○	○	○

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Values listed are typical values and should not be used for specification purposes. Data results from tests performed at room temperature unless otherwise noted.

SWATCHES

SWATCHES

PERFECT APPEARANCE AND ECONOMIC BENEFITS

BLACK - RAL 9005



Closest colour match:
RAL 9005

Available in:
PROCLAD150™

SILVER EMBOSSED - RAL 9006



Closest colour match:
RAL 9006

Available in:
PROCLAD150™
PROCLAD100™

SWATCHES

SWATCHES

PERFECT APPEARANCE AND ECONOMIC BENEFITS

GREY - RAL 7031



Closest colour match:
RAL 7031

Available in:
PROCLAD150™
PROCLAD PLUS HD™

SILVER - RAL 9006



Closest colour match:
RAL 9006

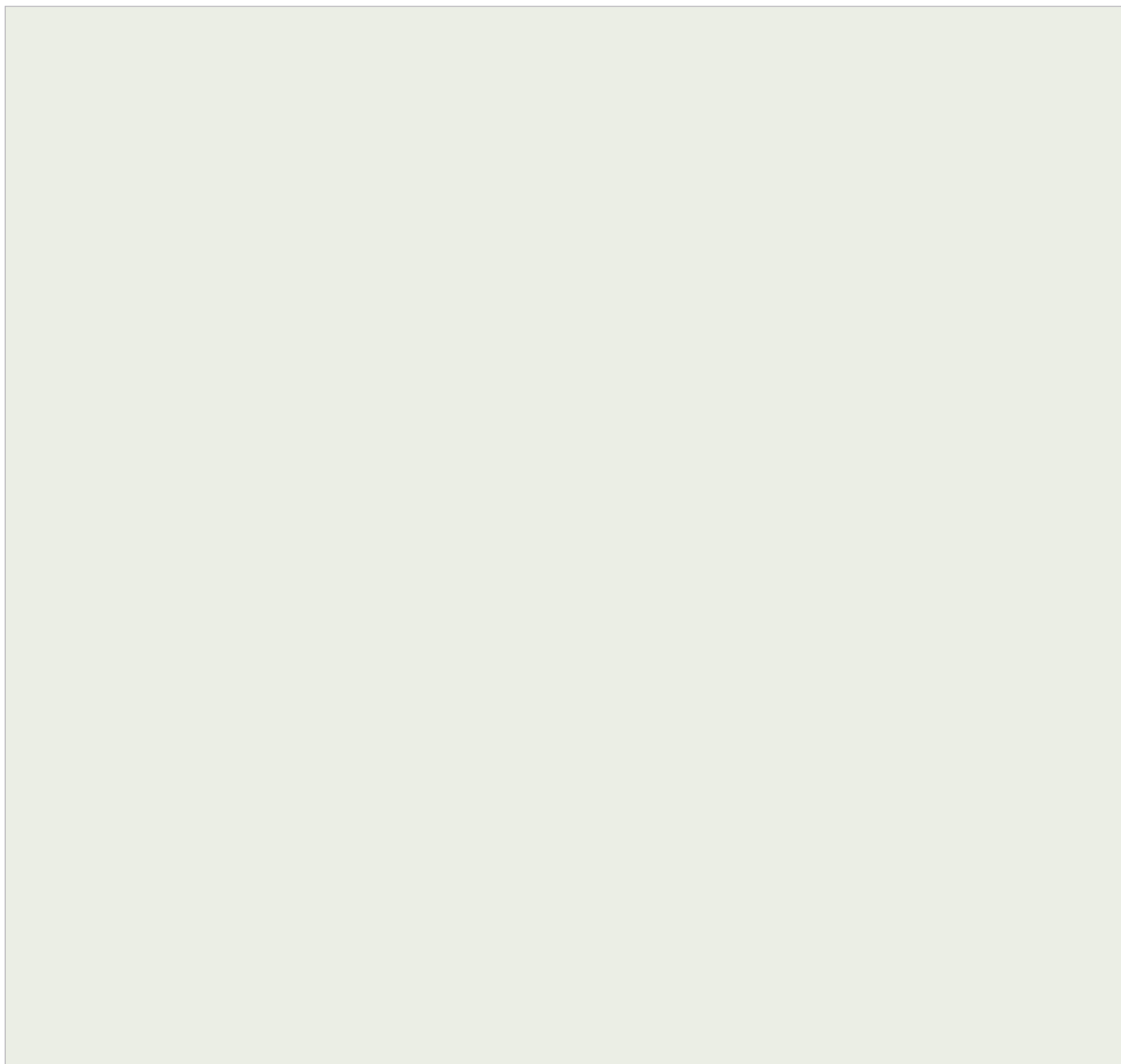
Available in:
PROCLAD150™
PROCLAD PLUS HD™
PROCLAD100™

SWATCHES

SWATCHES

PERFECT APPEARANCE AND ECONOMIC BENEFITS

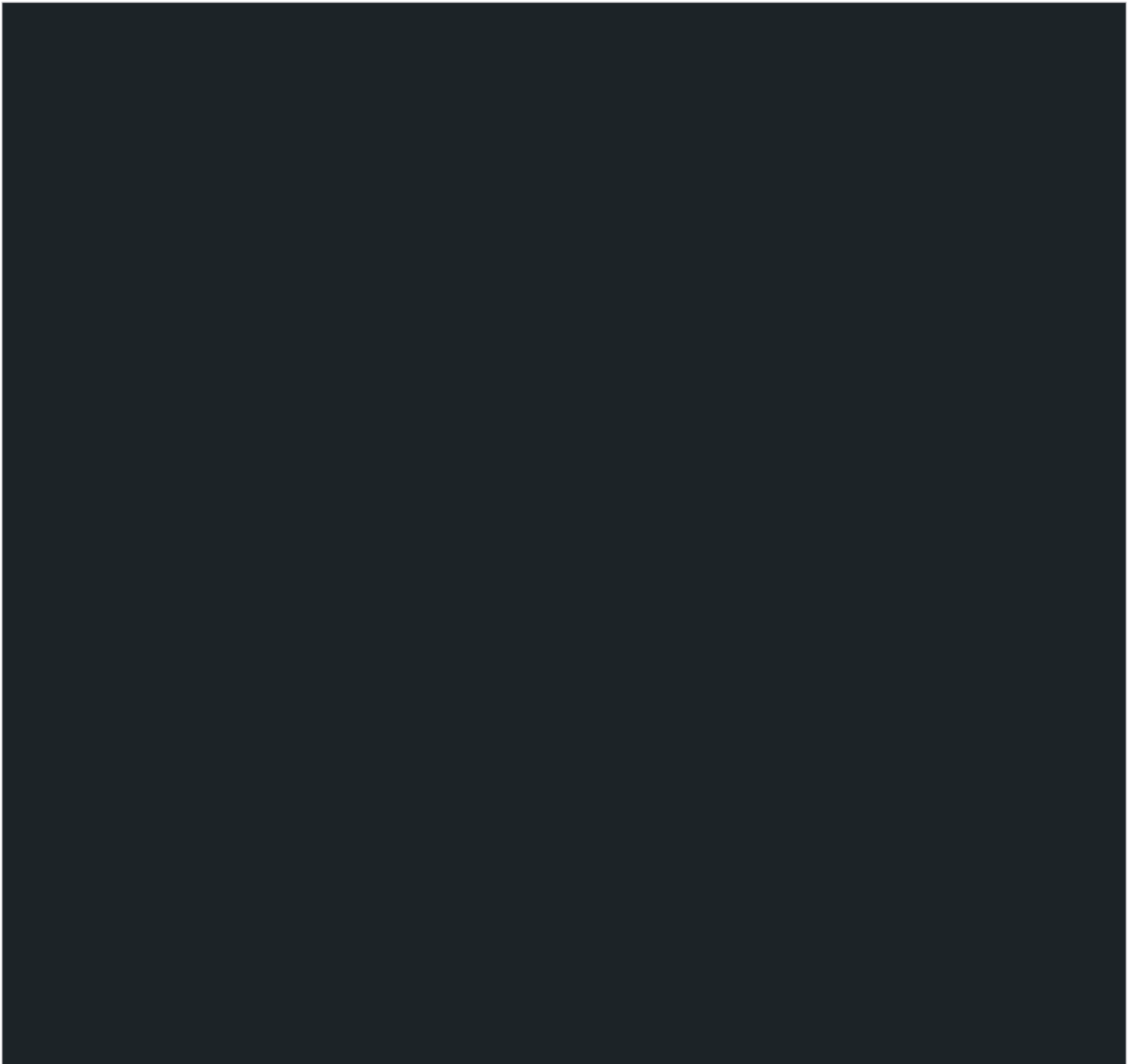
WHITE - RAL 9016



Closest colour match:
RAL 9016

Available in:
PROCLAD150™

FLAT BLACK - RAL 9011



Closest colour match:
RAL 9011

Available in:
PROCLAD150™

CORROSION INHIBITORS

SPECIALISTS IN CORROSION PROTECTION

ProTech™ Global represents a breakthrough solution in rust and corrosion prevention with Margel™ and its revolutionary chemical formulation. ProTech Global VpCI products protect metals with a chemically adsorbed molecular layer that provides multi-metal corrosion protection. The coverage is complete – all surfaces, including crevices, cavities and other inaccessible void areas receive total protection. The Margel™ barrier is self-replenishing, even for vapour barriers that are repeatedly opened and typically protects for up to 24+ months.

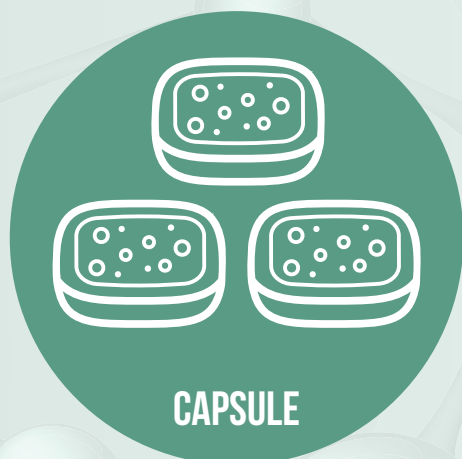
Vapour phase corrosion inhibitors (VpCI), protect from rust and corrosion to ensure the integrity of a metal surface.

VCIs are environmentally safe and do not contain nitrates or other harmful chemicals, providing exceptional product protection without the labour intensive clean-up required with conventional oil coatings or other inhibiting products – even for previously corroded, painted or coated surfaces.



**PROVIDING
ENVIRONMENTALLY SAFE
EXCEPTIONAL PRODUCT
PROTECTION**

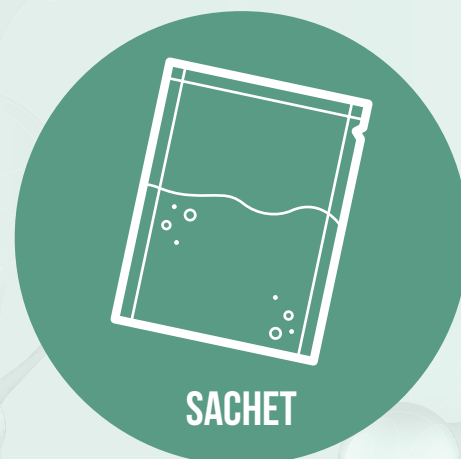
CORROSION INHIBITORS



CAPSULE



GUN & GEL



SACHET

MARGEL™ – CP/SP/SP-HT

CORROSION INHIBITOR FOR CORROSION UNDER INSULATION (CUI) PROTECTION

ProTech Ltd has formulated a unique anti-corrosion inhibitor for the protection of steel surfaces from corrosion under insulation (CUI). Designed to be installed within proximity to the surface of the substrate fitted with insulation materials, MARGEL™ is a mid/long term fit and extremely cost-effective solution to corrosion problems in the oil & gas industry the world over. MARGEL™ has been formulated for exclusive use on hydrocarbon, utility and petrochemical lines, up to 180°C in temperature.

MARGEL™ in Capsule, Gel or sachet form, works by emitting a controlled amount of corrosion inhibiting vapour that when applied to and near steel surfaces, disperses and is adsorbed by its substrate, blocking the path of chlorides, water and oxygen. MARGEL™ is manufactured with organic compounds and forms a monomolecular layer onto the surface of steel, this eliminates any further corrosion, working equally well on both newly manufactured or already corroded steel.

MARGEL™ will migrate from its placement location and will start working from the moment it is applied, typically eliminating further corrosion activity within 14 days from application. ProTech have a portfolio of projects where MARGEL™ is still working well, 25 years on from application. MARGEL™ variants have to date been applied to more than 5000 projects worldwide.

MARGEL™ is unaffected by damp/humid environments and works best in hermetically sealed environments to prolong the effectiveness of the product. This can be achieved by sealing with a suitable enclosure system such as ProTech's ProClad150™ or ProClad350 PLUS™.

CHARACTERISTICS

- ✓ Long term protection and durability
- ✓ Resistant to freeze/thaw cycle
- ✓ Unaffected by water ingress
- ✓ Resistant to Arctic conditions -55°C
- ✓ Performance unaffected by damp/humid conditions
- ✓ Can be easily retro fitted to sites
- ✓ Renewable solution
- ✓ Compatible with a wide range of other products
- ✓ Flame retardant chemical included in the capsule formulation.
- ✓ Meets environmental guidelines – extending the serviceable life of infrastructure and reducing maintenance costs.

SKU	Temperature	Capsule	Gel	Sachet	Shelf Life	Storage
MARGEL™ CP	-55°C to +120°C	●	●	●	12 months	Below 20°C
MARGEL™ SP	-55°C to +120°C	●	●	●	12 months	Below 20°C
MARGEL™ SP HT	-55°C to +180°C	●	●	○	12 months	Below 20°C

CORROSION INHIBITORS

MARGEL™ VAPOURISATION

The Margel™ formulation slowly releases corrosion inhibiting compounds within a sealed airspace. Not visible to the naked eye and detectable only by using an electron scanning microscope, these chemicals actively prevent surface corrosion by forming a microscopic layer on top of the metal substrate, blocking the electro-chemical process that causes corrosion.

Margel™ offers total protection on all metal surfaces, it saturates the air inside the vapour sealed system and penetrates into microscopic crevices, slots and otherwise unreachable areas of the metal substrate.



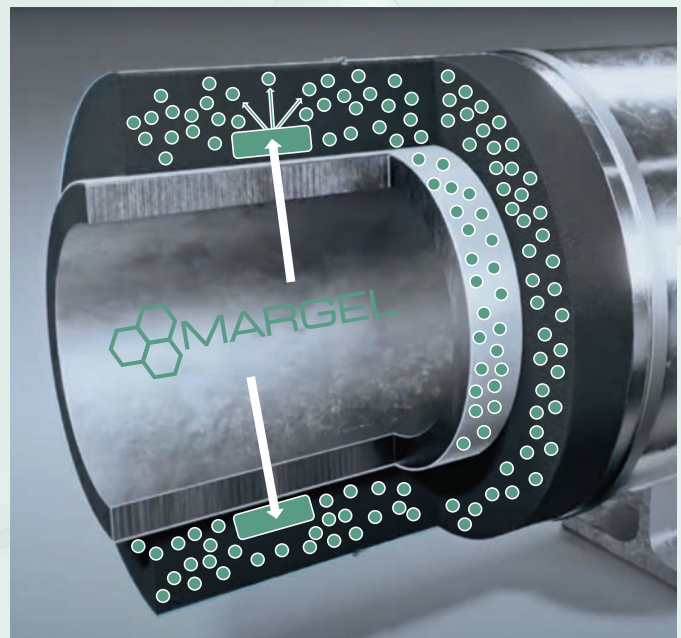
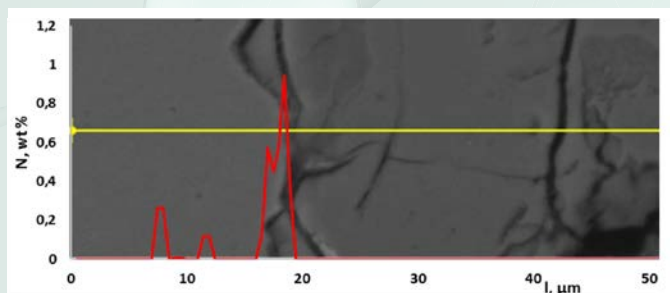
TEST DATA

ELECTRON MICROSCOPY AND LOCAL X-RAY SPECTRAL ANALYSIS

ProTech worked with a world renowned metallurgy lab to understand if the chemical signature from the Margel™ CUI vapour could be detected upon the surface of the steel pipe after insertion. The aim to confirm that the vapour 1) migrates and 2) adsorbs to the surface of the steel.

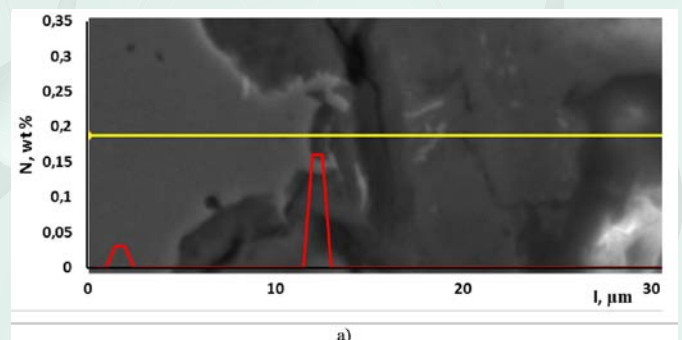
Several samples of steel pipe were prepared and the Margel™ capsules were introduced for 1 week before testing would take place.

To investigate the effect of the inhibitor on the corrosion resistance of the armature, studies were carried out using electron microscopy and local X-ray spectral analysis



(LRSA). The purpose of the study was to detect the inhibitor components adsorbed on the surface of the pipe, of which using a local X-ray spectral analysis, the surface of the pipe was examined to detect a jump in the nitrogen content during the transition from the capsule to the surface, since nitrogen enters all the active chemical components of the inhibitor and is practically absent in the matrix of the metal.

The result of the study confirmed the expectations - on the surface of the pipe, the presence of the adsorbed inhibitor components were detected, indicated by locally identified nitrogen, clearly indicating the presence of inhibitor component on the surface of the pipe.

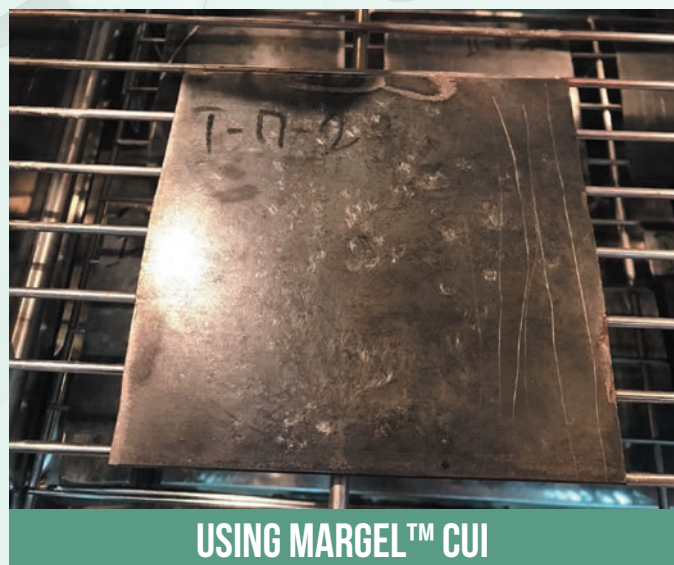


In the 2 graphs above, showing 2 different samples, Nitrogen is indicated on the surface of the pipe section confirming the presence of the inhibitor.

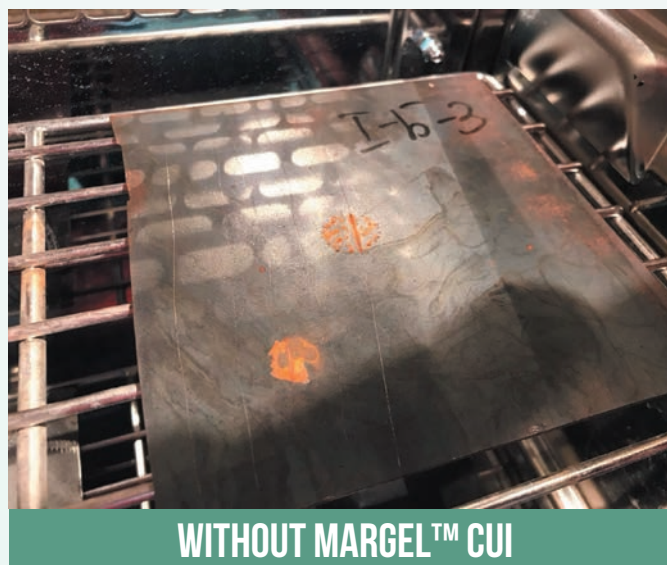
TEST DATA

HIGH TEMPERATURE TESTING

In order to evaluate the suitability of Margel™ CUI to high temperatures, ProTech arranged high temperature testing at a 3rd party laboratory.



Steel plate samples were heated to 200 degrees Celsius / 392 degrees Fahrenheit daily for a period of 2 hrs and then left to cool. After 3 weeks / 21 cycles the pictures are below.



The sample coated with Margel™ CUI showed no signs of corrosion and the crystallisation of the Margel™ could be visually identified remaining on the surface of the steel plate. The sample without protection, showed initial signs of corrosion and surface rust forming.

TGA AND FTIR ANALYSIS OF MARGEL™ CUI - INVESTIGATING THERMAL STABILITY

In order to ascertain the temperature operating range of the Margel™ CUI product, independent laboratory testing was commissioned in 2023.

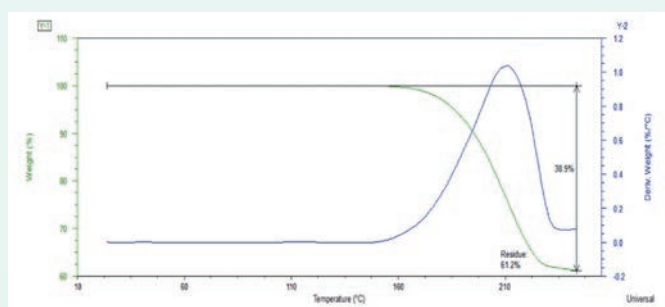
TGA and FTIR analysis; Thermogravimetric analysis (TGA) is an analysis method which measures the changes in the mass of a material as it is heated in selected gas environments such as air and nitrogen.

Margel™ CUI was supplied in liquid form and coated on steel coupons. The Margel™ CUI solution was allowed to dry for 24hrs before testing started;

The coupons were heated in an oven for 1 hour at each temperature interval of: 50°C, 80°C, 100°C, 130°C, 160°C, 180°C, 200°C & 230°C. These samples, along with a room temperature control sample were analysed by micro-FTIR.

TGA analysis was carried out by using a TA instruments TGA2050. ATR-FTIR analysis was conducted on a Perkin Elmer Frontier spectrophotometer with Diamond crystal

UATR accessory. The FTIR Microscope used was a Perkin Elmer spotlight 400 with Frontier spectrophotometer. Microanalysis was conducted using the micro-ATR with Germanium crystal accessory and liquid nitrogen cooled MCT detector.



In temperatures up to 180°C the coating remains stable, temperatures up to 230°C result in 38.9% loss of product (some of which will be residual moisture) maintaining 61.2% of coat weight. The anticipated top limit for Margel CUI will be 180°C.

The significant advantage of using the Margel capsule as a delivery system, is that it will continue to emit vapour from the capsule for up to 4 years from the point of insertion, thereby replenishing any coating that may degrade at temperatures over 180°C.

Another benefit is the Margel capsule when inserted into the insulation section covering the pipe will not be subject to the higher temperatures at the surface of the pipe thus further helping to maintain its chemical integrity.



CALL: +44 (0)1934 318468

EMAIL: sales@protechglobal.co.uk

WEB: www.protechglobal.co.uk

**ADDRESS: ProTech Global Ltd,
Unit 3 Lynx Crescent, Weston Industrial Estate,
Weston-super-Mare, North Somerset, BS24 9DJ**

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