



SPECIALISED COMPOSITE SOLUTION PROVIDER

PRODUCT CATALOGUE 2026



INDUSTRIAL &
ENGINEERING
FACILITIES

POWER &
ENERGY

PETROCHEMICAL &
REFINING

SHIPPING,
MARINE & PORTS

CONSTRUCTION &
INFRASTRUCTURE

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COMPANY INTRODUCTION

SPECIALISED COMPOSITE SOLUTION PROVIDER

CORROSERV (M) SDN BHD brings over 35 years of experience and a proven track record of more than 500 successful projects in providing engineered repair and asset protection solutions for the oil & gas, petrochemical, marine, construction and industrial sectors.

Our solutions include engineered composite repair systems, metal and epoxy putties, cold bonding, online leak sealing and high-performance protective coatings. Designed for challenging operating environments, our systems help minimise downtime, restore asset integrity and extend service life.



REPAIR

Restore damaged and degraded assets to their original condition and performance.



REINFORCE

Strengthen structures and piping systems to withstand demanding operating conditions.



REHABILITATE

Extend the service life of existing assets with cost-effective and proven solutions.



PROTECT

Protect assets against corrosion, erosion, and environmental attack.

WHY CORROSERV?



35 YEARS OF EXPERIENCE

Engineering company with over 35 years of industry experience in Southeast Asia.



500+ PROJECTS COMPLETED

Completed 500 projects across multiple industries using composite systems.



INTEGRATED MALAYSIAN WORKFORCE

ISO certified engineers and skilled technicians delivering end-to-end project management and quality execution.



GLOBAL CAPABILITY

From engineering expertise to on-site execution, supporting asset integrity worldwide.

CLIENTS



GLOBAL REACH, LOCAL SUPPORT

- MALAYSIA
- VIETNAM
- INDONESIA



CERTIFICATE & APPROVALS

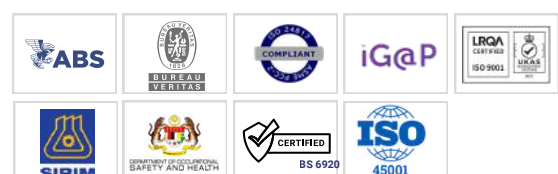


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CORRO-WRAP® WL CRBX330 HHA SYSTEM

IDEAL FOR PIPELINE REPAIR IN DRY AND HOT CONDITIONS

Corro-Wrap® WL – CRBX330 HHA is an engineered composite repair system utilizing E-Glass fibre (CRBX800) and Corro-Chem® 330HHA epoxy series. Corro-Wrap® WL – CRBX330 HHA is a versatile that can be applied on dry and hot surfaces for online repair without a shutdown including; leak sealing and rehabilitation of piping and components, riser maintenance, high temperatures tank linings, etc.



ONLINE
APPLICATION



HEAT & DRY
TOLERANT



UP TO 205°C
SERVICE TEMP



HIGH
MECHANICAL
STRENGTH



CHEMICAL
RESISTANT

**RESTORE.
REINFORCE.
PROTECT.**


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01

CRBX330 - V1 - JULY 2026

SYSTEM . PERFORMANCE . APPLICATION

SYSTEM COMPONENTS

CRBX800

- Reinforcement Fibre: Biaxial E-Glass, 800 gsm
- Provides mechanical strength and structural reinforcement
- Supports effective load distribution and transfer
- Forms a high-performance composite system with the resin matrix
- Available packaging:
 - 7.5m2/Roll (0.3m x 25m)
 - 15m2/Roll (0.3m x 50m)



Corro-Chem® 330 HHA (R)

- Resin matrix that bonds the reinforcing fibres and facilitates effective load transfer throughout the composite system.
- Heat tolerant epoxy system.
- Suitable for online application without shutdown.
- Temperature resistance up to 205°C.
- Can cure in the presence of heat.
- Available packaging:
 - 0.3 L/Kit, 2.0 L/Kit & 8.0L/Kit



TECHNICAL PERFORMANCE

CORRO-CHEM® 330 HHA (R) + CRRB800

Ply Thickness	0.7 mm
Service Temperature Limit	205°C
Hardness (ASTM D2240)	86.6 Shore-D
Tensile Strength – Hoop (ASTM D3039)	292 MPa
Tensile Strength – Axial (ASTM D3039)	166 MPa
Tensile Modulus – Hoop (ASTM D3039)	25,757 MPa
Tensile Modulus – Axial (ASTM D3039)	14,690 MPa
Poisson's Ratio (ASTM D3039)	0.101
In-Plane Shear Modulus (ASTM D5379)	3,262 MPa
Thermal Expansion Coefficient – Hoop (ASTM D696)	0.0000169 mm/mm/°C
Thermal Expansion Coefficient – Axial (ASTM D696)	0.0000112 mm/mm/°C
Lap Shear Strength (ASTM D3165)	13.3 MPa
Glass Transition Temperature (ASTM D6604)*	249.4°C
Heat Deflection Temperature (ISO 75)*	235.3°C

CORRO-CHEM® 330 HHA (C)

Pull-Off Adhesion Test (ASTM D4541)	37.73 MPa
Compressive Strength (ASTM D695)	82.74 MPa
Compressive Modulus (ASTM D695)	1,896 MPa
Compressive Strain to Fail (ASTM D695)	36.1%
Lap Shear Strength (D1002)	19.08 MPa
Salt Spray (ASTM D1654)	Unscribed
Cyclic Salt Fog (D1654)	Unscribed

CURING SCHEDULE (CRRB330 HHA SERIES)

Curing Temperature	Pot Life	Touch Dry	Full Cure
25°C	25 minutes	4 hours	24 hours
35°C	13 minutes	2 hours	12 hours
45°C	7 minutes	1 hour	6 hours

Note: For every 10°C increase in temperature from 25°C shall half the curing time, while for every 10°C decrease will double the curing time.

SYSTEM METHODOLOGY >>

1 PRIMER*



CORRO-CHEM® 330 HHA (R)
Thin application of resin after surface preparation to prevent flash rust.

*Optional – necessary if surface is prepared via wet abrasive blasting to avoid flash rusting

2 INFILL



CORRO-CHEM® 330 HHA HB
To seal any leak and rebuild wall losses/other damaged area.

3 INTERFACE



CORRO-CHEM® 330 HHA HB
Load transfer agent between the substrate and composite.

4 COMPOSITE WRAP



CORRO-CHEM® 330 HHA (R) + CRRB800
Installation of composite reinforcement to the required thickness as per ISO24817 standard.

5 TOPCOAT



CORRO-CHEM® 330 HHA (C)
Application of coating on the installed composite for cosmetic purpose (optional).

**RESTORE.
REINFORCE.
PROTECT.**



REDUCES
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SAFE, FAST &
EASY APPLICATION



LOWER LIFE
CYCLE COST



EXTENDS ASSET
SERVICE LIFE



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PROVEN FIELD APPLICATIONS

Real repair conditions. Demonstrated field capability.

CH 0340

Repair Condition : Offline
Tank Diameter : 3.35 m
Design Temperature : 100°C
Operating Temperature : 65°C



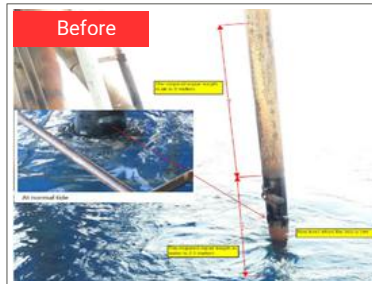
CH 0397

Repair Condition : Online
Pipe Size : 2"
Operating Pressure : 1 Bar
Operating Temperature : Ambient



CH 0227

Repair Condition : Online
Pipe Size : 14"
Operating Pressure : 16 Bar
Operating Temperature : 70°C



AVAILABLE PACKAGING

CORRO-WRAP® WL CRBX330 HHA-SMALL SET



MOQ 50 SET

Components	Application	Qty/Set
Corro-Chem® 330 HHA-HB	Filler	0.10 L Kit
Corro-Chem® 330 HHA (R)	Resin	0.30 L Kit
CRBX800 Fiber	Fiber	0.45 m2
Peel Ply	Compaction	0.40 m2
Stricture Banding	Compaction	0.60 m2

CORRO-WRAP® WL CRBX330 HHA-MEDIUM SET



MOQ 1 SET

Components	Application	Qty/ Set
Corro-Chem® 330 HHA-HB	Filler	2.0 L
Corro-Chem® 330 HHA (R)	Resin	6.0 L
CRBX800 Fiber	Fiber	7.5 m2
Peel Ply	Compaction	10 m2
Stricture Banding	Compaction	30 m2

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CRBX330 - V1 - JULY 2026



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CORRO-WRAP® WL CRBX2000 SYSTEM

IDEAL FOR PIPELINE REPAIR IN WET, HOT & IMMERSION CONDITIONS

Corro-Wrap® WL – CRBX2000 is an engineered composite repair system utilizing E-Glass fibre (CRBX800) and Corro-Dur® 2000 epoxy series. Corro-Wrap® WL – CRBX2000 is a versatile solution that is designed for online repair without a shutdown – in presence of heat/moisture including; leak sealing and rehabilitation of piping and piping components, riser maintenance, splash zone repairs, high temperature repairs, etc.



ONLINE
APPLICATION



WET
& MOISTURE
TOLERANT



UP TO 205°C
SERVICE
TEMPERATURE



WET &
UNDERWATER
APPLICATION



HIGH
MECHANICAL
STRENGTH



CHEMICAL
RESISTANT

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04

CRBX2000 - V1- JULY 2026

SYSTEM . PERFORMANCE . APPLICATION

SYSTEM COMPONENTS

CRBX800

- Reinforcement Fibre: Biaxial E-Glass, 800 gsm
- Provides mechanical strength and structural reinforcement
- Supports effective load distribution and transfer
- Forms a high-performance composite system with the resin matrix
- Available packaging:
 - 7.5m²/Roll (0.3m x 25m)
 - 15m²/Roll (0.3m x 50m)



Corro-Dur® 2000 (R)

- Resin matrix that bonds the reinforcing fibres and facilitates effective load transfer throughout the composite system.
- Moisture and heat tolerant epoxy resin.
- Suitable for online application without shutdown.
- Temperature resistance up to 205°C.
- Can cure in the presence of heat and moisture.
- Available packaging:
 - 0.12 L/Kit & 1.2 L/Kit



TECHNICAL PERFORMANCE

CORRO-DUR® 2000 (R) + CRBX800	
Ply Thickness	0.7 mm
Service Temperature Limit	205°C
Hardness (ASTM D2240)	86 Shore-D
Tensile Strength – Hoop (ASTM D3039)	518.5 MPa
Tensile Strength – Axial (ASTM D3039)	332.4 MPa
Tensile Modulus – Hoop (ASTM D3039)	27,769 MPa
Tensile Modulus – Axial (ASTM D3039)	17,369 MPa
Poisson's Ratio (ASTM D3039)	0.095
In-Plane Shear Modulus (ASTM D5379)	5,237 MPa
Thermal Expansion Coefficient – Hoop (ASTM D696)	0.0000150 mm/mm/°C
Thermal Expansion Coefficient – Axial (ASTM D696)	0.0000111 mm/mm/°C
Lap Shear Strength (ASTM D3165)	12.66 MPa
Glass Transition Temperature (ASTM D6604)*	251.3°C
Heat Deflection Temperature (ISO 75)*	254.6°C

CORRO-DUR® 2000 UHB	
Pull-Off Adhesion Test (ASTM D4541)	32.51 MPa
Compressive Strength (ASTM D695)	84.11 MPa
Compressive Modulus (ASTM D695)	2,351 MPa
Compressive Strain to Fail (ASTM D695)	5.1%
Lap Shear Strength (D1002)	19.46 MPa

CURING SCHEDULE (CRBX2000 SERIES)			
Curing Temperature	Pot Life	Touch Dry	Full Cure
25°C	25 minutes	4 hours	24 hours
35°C	13 minutes	2 hours	12 hours
45°C	7 minutes	1 hour	6 hours

Note: For every 10°C increase in temperature from 25°C shall half the curing time, while for every 10°C decrease will double the curing time.

SYSTEM METHODOLOGY >>



**RESTORE.
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LOWER LIFE
CYCLE COST



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SERVICE LIFE



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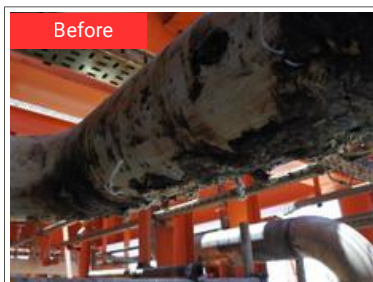
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PROVEN FIELD APPLICATIONS

Real repair conditions. Demonstrated field capability.

CH 0390

Repair Condition : Online
Pipe size : 8"
Operating Pressure : 5.2 Bar
Operating Temperature : 160°C



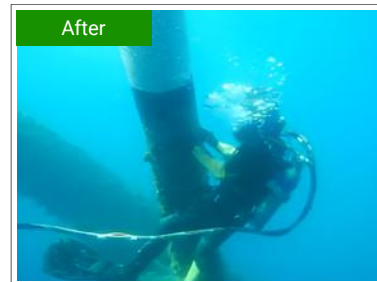
CH 0305

Repair Condition : Online
Pipe Size : 6"
Design Pressure : 3 Bar
Design Temperature : 100°C



CH 0247

Repair Condition : Online
Ext. Diameter : 14"
Operating Pressure : 16 Bar
Operating Temperature : 70°C



AVAILABLE PACKAGING >>

CORRO-WRAP® WL CRBX2000 SMALL SET



MOQ 50 SET

Components	Application	Qty/Set
Corro-Dur® 2000 UHB	Filler	0.12 L
Corro-Dur® 2000 (R)	Resin	0.34 L
CRBX800 Fiber	Fiber	0.45 m2
Peel Ply	Compaction	0.40 m2
Stricture Banding	Compaction	0.60 m2

CORRO-WRAP® WL CRBX2000 MEDIUM SET



MOQ 1 SET

Components	Application	Qty/Set
Corro-Dur® 2000 UHB	Filler	2.4 L
Corro-Dur® 2000 (R)	Resin	5.1 L
CRBX800 Fiber	Fiber	7.5 m2 /roll
Peel Ply	Compaction	10 m2 /roll
Stricture Banding	Compaction	3 m2 /roll

**RESTORE.
REINFORCE.
PROTECT.**



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CORRO-WRAP® MCLP SYSTEM

IDEAL FOR LEAK SEALING & REHABILITATION OF LOW-PRESSURE PIPING

Corro-Wrap® MCLP is a moisture-cured polyurethane impregnated fiberglass tape repair, activated with fresh or salt water. Fast-curing system - normal setting time of 30 minutes, though may vary depending on the surrounding and surface temperature. It is ideal for all types of repair and maintenance applications. Corro-Wrap® MCLP is odourless, non-combustible and non-toxic.



**WATER
ACTIVATED**



**30 MINUTES
CURING TIME**



**UP TO 88°C
SERVICE TEMP**



**UP TO
50 BAR**



**ONLINE
APPLICATION**



**FAST & EASY
APPLICATION**

**NO MIXING !
NO MEASURING!
NO WAITING!**


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07

CWMCLP - V1- JULY 2026

SYSTEM . PERFORMANCE . APPLICATION

SYSTEM COMPONENTS

Corro-Dur® 450

- Metal-filled epoxy putty
- Works in dry & wet conditions
- Heat resistant up to 87°C
- Available packaging:
0.06 Kg/Kit & 1.2Kg/Kit



Corro-Dur® 2000 UHB

- Solvent-free epoxy putty
- Works in dry & wet conditions
- Heat resistant up to 88°C
- Available packaging:
0.12 L/Kit & 1.2 L/Kit



TECHNICAL PERFORMANCE

KEY FEATURES



Applicable in salt or fresh water.



Non- toxic, Non Combustible and Odorless



ABS PDA (American Bureau of Shipping) Approved.



Suitable for acid & alkali environments



Compatible with metal, plastic, wood, rubber, PVC & glass

TYPICAL APPLICATIONS



Leak sealing of cracked, broken & leaking pipes



Petroleum, oil, gasoline & organic solvent pipelines



Protective shield to reinforce & rehabilitate piping.



Prevents metal-to-metal contact to avoid dissimilar metal corrosion, making it ideal for isolating piping from pipe supports.

TECHNICAL INFORMATION

Material: **E-Glass (Multiaxial Tape)**

Temperature Resistance: **Up to 88°C**

Tensile Strength: **173,748 kPa**

Compressive Strength: **185,469 kPa**

Flexural Strength: **113,074 kPa**

Shore-D Hardness: **>65(min)**

Ply Thickness: **0.53mm**

Working Time: **30 minutes package open time, dependent on ambient humidity**

Shelf Life: **2 years if stored between 4.4°C – 26.7°C and aluminium pack is not punctured. Do not use if product is hardened. Rotate stock for best results.**

SYSTEM METHODOLOGY >>



Clean and prepare the repair area to achieve a surface profile of >40 µm.



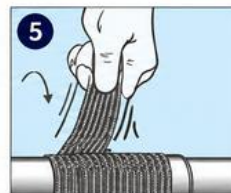
Apply the infill/interface agent over the damaged area.



Smooth the infill/interface agent evenly around the pipe.



Open and dip the MCLP wrap in water to activate it.



Wrap the activated MCLP tightly around the repair area using stricture banding.



Smooth the wrap firmly and allow it to cure.

**NO MIXING !
NO MEASURING!
NO WAITING!**



REDUCES DOWNTIME



SAFE, FAST & EASY APPLICATION



LOWER LIFE CYCLE COST



EXTENDS ASSET SERVICE LIFE



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CHEMICAL RESISTANT CHART

Chemical / Substance (2 Months Test)	Test Temperature		Surface Changes (Period)	Type of Surface Changes
	°C	°F		
Distilled water	23	73	none	none
Sulphuric acid, 10%	23	73	none	none
Sulphuric acid, 50%	23	73	none	none
Hydrochloric acid 10%	23	73	30 days	blistering
Hydrochloric acid 50%	23	73	30 days	blistering
Nitric acid 50%	23	73	30 days	blistering
Acetic acid 10%	23	73	30 days	blistering
Formic acid 10%	23	73	none	none
Soda solution, saturated	48	118	none	none
Sodium hydroxide solution 20%	23	73	none	none
Sodium hydroxide solution 20%	50	122	none	none
Ammonia 10%	23	73	30 days	blistering
Hydrogen peroxide 10%	23	73	30 days	blistering
Fuel oil+10% water	50	122	none	none
White spirit	23	73	none	none
Toluene	23	73	none	none
Xylene	23	73	none	none
Methyl isobutyl ketone	23	73	60 days	softening
Methanol	23	73	2 days	softening
Gasoline	23	73	none	none

**NO MIXING !
NO MEASURING!
NO WAITING!**



REDUCES
DOWNTIME



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PROVEN FIELD APPLICATIONS

Real repair conditions. Demonstrated field capability.

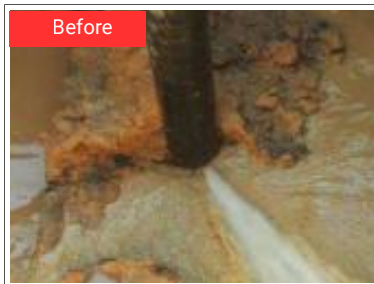
CH 0391

Repair Condition : Online
Pipe size : 3"
Operating Pressure : 20 Bar
Operating Temperature : 60°C



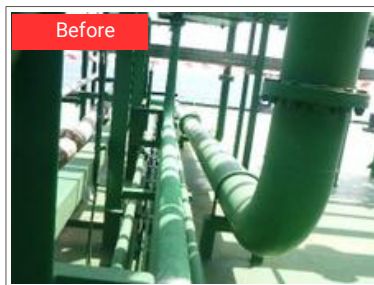
CH 0327

Repair Condition : Online
Pipe size : 4"
Operating Pressure : 10 Bar
Operating Temperature : Ambient



CH 0395

Repair Condition : Offline
Pipe Size : 2.4", 4" & 8"
Surrounding Temperature : Ambient



EMERGENCY LEAK SEALING SET >>

CORRO-WRAP® MCLP 2" SET



- ✓ Suitable for pipe below 2"
- ✓ 1 kit repairs 1 unit of 0.5" pipe

MOQ 1 SET

Components	Application	Qty/Set
Corro-Dur® 450	Filler	0.06 kg
MCLP (2" x 1.5m)	Resin+Fiber	2 rolls
Sticture Banding	Compaction	3 m2

CORRO-WRAP® MCLP 4" SET



- ✓ Suitable for pipe 2" & above
- ✓ 1 kit repairs 1 unit of 2" pipe

MOQ 1 SET

Components	Application	Qty/Set
Corro-Dur® 450	Filler	0.12 kg
MCLP (4" x 4.5m)	Resin+Fiber	2 rolls
Sticture Banding	Compaction	3 m2

Emergency Leak Sealing set is a complete repair consist of MCLP & Corro-Dur 450 (Metal Putty), engineered for emergency leak sealing and pipe rehabilitation in low-pressure applications.

**RESTORE.
REINFORCE.
PROTECT.**



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CORRO-DECK

COMPOSITE REINFORCED DECK REPAIR & LEVELLING SYSTEM

Corro-Deck is a specialised deck repair system engineered to restore strength, reinforce damaged areas, and deliver a durable, level finish without the need for full deck replacement.



ENGINEERED
FOR DECK
REPAIR



SELF-LEVELING



HIGH STRENGTH
& DURABILITY



CHEMICAL
RESISTANCE



COMPOSITE
REINFORCEMENT
LAYER

**RESTORE.
REINFORCE.
RELEVEL.**


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SYSTEM . PERFORMANCE . APPLICATION

TECHNICAL PERFORMANCE

KEY FEATURES



ENGINEERED FOR DECK REPAIR

Designed for degraded and perforated deck surfaces.



COMPOSITE REINFORCEMENT LAYER

Enhances structural performance and load distribution.



SELF-LEVELLING FINISH

Provides a smooth, even surface profile.



HIGH STRENGTH & DURABILITY

Excellent resistance to mechanical loads and wear.



CORROSION & CHEMICAL RESISTANCE

Suitable for aggressive industrial environments.

TYPICAL APPLICATIONS



Corroded steel decks with perforation



Offshore and marine deck repairs



Drip pans and containment areas



Industrial platforms and walkways

TECHNICAL DATA

COMPRESSIVE STRENGTH OF MORTAR
(ASTM C579)

69.7MPa

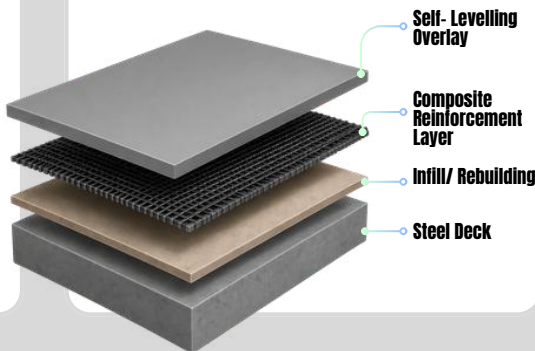
FLEXURAL STRENGTH OF MORTAR
(ASTM C580)

32.1MPa

COMPRESSIVE STRENGTH OF COMPOSITE SANDWICH (ASTM C365)

102.2MPa

Corro-Deck integrates repair, reinforcement, and levelling into a single engineered system, extending service life while minimising downtime and replacement costs.



SYSTEM METHODOLOGY >>

1

SURFACE PREPARATION



Remove existing coating, contaminants, and roughen the surface for proper adhesion.

2

INFILL & REBUILDING



Fill all perforations, pits, and voids using high-strength epoxy putty.

3

COMPOSITE REINFORCEMENT (STRUCTURAL LAYER)



Apply basalt fibre (Basrap) reinforcement saturated with epoxy resin (CD202) to improve load distribution and impact resistance.

4

SELF-LEVELLING



Apply low-viscosity epoxy resin with premium grade filler to level the surface.

5

CURING



Cure within 24 hours under controlled conditions.



**RESTORE.
REINFORCE.
RELEVEL.**



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CORRO-BOND

A SAFER ALTERNATIVE TO WELDING

Corro-Bond is advanced cold-bonding technology designed to provide a safer alternative to welding for structural reinforcement, metal rebuilding, and repair applications thus eliminating the need for hot work in many situations.



**NO HOT WORK/
WELDING**



**MOISTURE
TOLERANT**



FAST CURING



**CHEMICAL
RESISTANCE**



**EXCELLENT
MECHANICAL
STRENGTH**



**MARINE &
OFFSHORE
OPERATION**

**NO SPARKS,
NO HOT WORK**


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13

CBOND - V1- JULY 2026

SYSTEM . PERFORMANCE . APPLICATION

SYSTEM COMPONENTS

CORRO-DUR® 450 (METAL PUTTY)



Solvent-free epoxy reinforced with metal filler. It has excellent chemical resistance against a wide range of chemicals and excellent bonding to metal including stainless steel, carbon steel, aluminum, brass copper and other rigid surfaces. Suitable for dry and wet conditions, with heat resistance up to 87°C.



Available packaging:

- 0.06kg/kit
- 1.2kg/kit

TECHNICAL PERFORMANCE

KEY FEATURES



No sparks/flames, no hot work permit required



Bonds strongly to a wide range of substrate



Fast curing



Moisture tolerant (dry,damp & wet surface)



High chemical resistance



Excellent mechanical strength



Marine & offshore operation

TYPICAL APPLICATIONS



- Beam reinforcement
- Non-critical support installation



- Machinable Metal rebuilding
- Pitting Repair



- Low pressure piping leak sealing & rehabilitation



- Flange face resurfacing

TECHNICAL DATA

POT LIFE @ 25°C : 25-30 minutes after mixing

DRY TIME @ 25°C : 2-4 hours after applied

FULL CURE TIME : 12-24 hours

GLASS TRANSITION TEMPERATURE : 87°C

COMPRESSIVE STRENGTH : 87.92 MPa

LAP SHEAR STRENGTH : 20.205 MPa

FLEXURAL STRENGTH : 64.75 MPa

TENSILE STRENGTH : 34.2 MPa

SYSTEM METHODOLOGY

1 PREPARATION



Inspect the defective I-beam, verify the defect dimensions, and fabricate a steel patch plate with pre-drilled bolt holes in accordance with the approved repair design.

2 SURFACE PREPARATION



Remove oil, grease, and corrosion products, then prepare the beam and patch plate surfaces to the required cleanliness and minimum 40 µm surface profile.

3 APPLICATION



Apply Corro-Dur® 450 Metal Putty evenly to the beam and patch plate bonding surfaces.

4 INSTALLATION



Position the patch plate over the defect and tighten the bolts uniformly to achieve proper clamping and the specified adhesive bondline thickness.

5 FINISHING



Remove excess adhesive, allow the repair to cure for at least 24 hours or until ≥85 Shore D hardness is achieved, then perform a final inspection and apply the protective coating.

*System methodology for structural repair

**NO SPARKS,
NO HOT WORK**



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