



PROJECT : Construction of Infrastructure & Utilities Works Associated with Phase I of Reem Hills Development on Plot TMP2, Sector RT7, Al Reem Island.

2.Copies of Relevant Parts of Specs.

13. The filler shall be able to recover more than 98% after 50% compression and shall have a compressive strength of at least 0.15 N/mm².

11.2.6 Joint Sealant

14. Joint sealant shall be non-degradable for its particular application and be suitable for use in the climatic conditions of Abu Dhabi with a minimum life expectancy of 15 years and shall have a proven track record of no less than 10 years under similar climatic conditions. In the event that any defects occur within 10 years of completion of the works, the Contractor shall arrange all repairs necessary to remedy the defects.
15. Joint sealant for exposed joints shall be grey unless otherwise specified.
16. Joint sealants for use in all types of joints in water retaining structures and water tight structures subjected to a sewage environment shall be polyurethane based. The polyurethane based sealant shall be a cold applied two part sealant.
17. Polysulphide based sealant shall be a cold applied two part sealant. Polysulphide based sealant for use in expansion joints in water retaining structures and water tight structures shall have a movement accommodation factor of at least 20%.
18. The appropriate hardness of elastomeric sealants shall be determined in consultation with the manufacturer, considering joint movement and exposure conditions for the size of joint to be sealed. Any sealant exposed to traffic shall have adequate strength and modulus of elasticity to resist damage by traffic.
19. Backing rod shall be a proprietary type recommended by the sealant manufacturer and have a diameter 25% greater than the joint width.
20. Bond breaker tape shall be a proprietary type recommended by the sealant manufacturer and shall be the full width of the joint.

11.3 Part 3 Execution

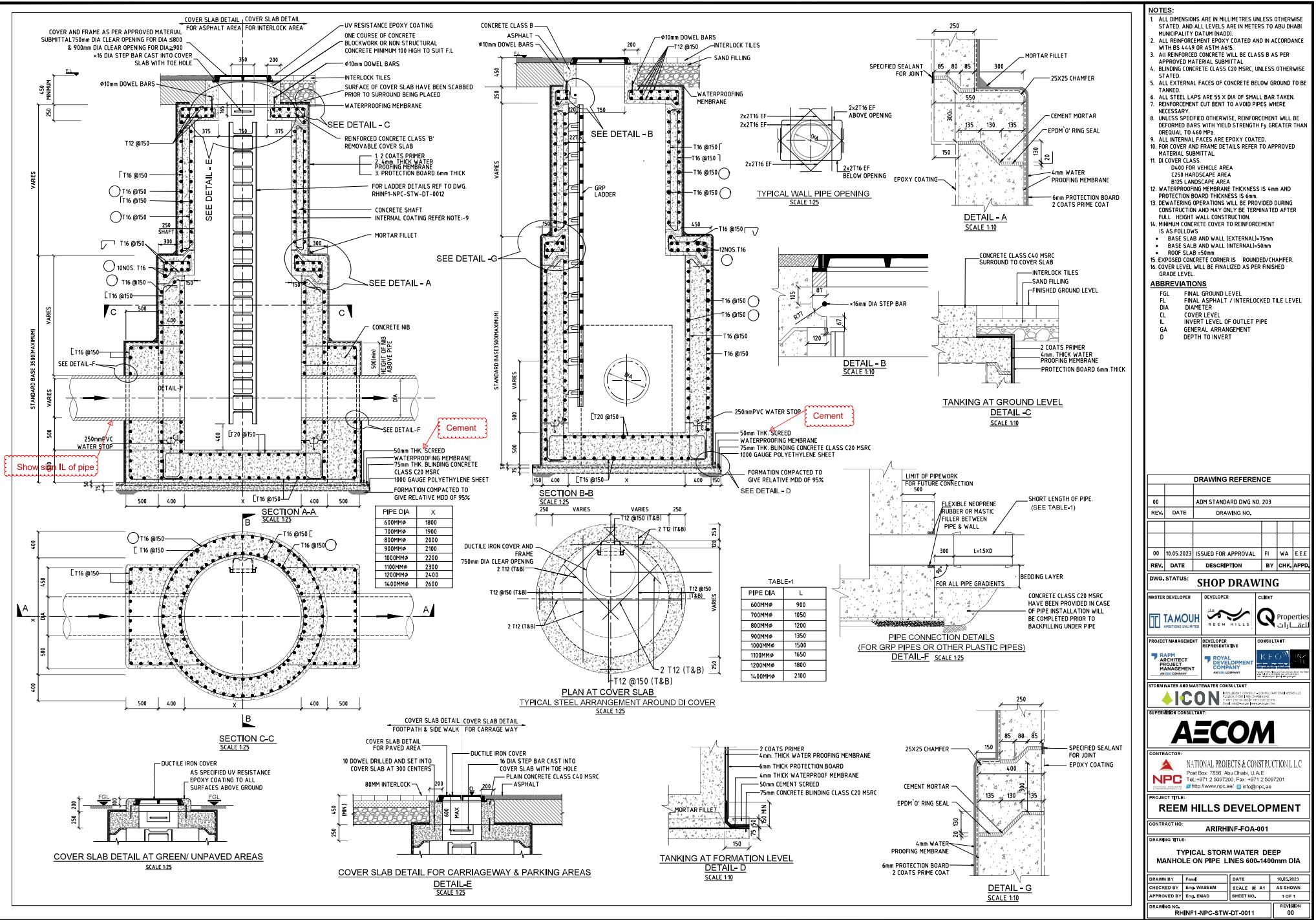
11.3.1 Construction Joints

1. Watertight construction joints shall be provided in water retaining structures and structures below ground water table. Construction joints should preferably be provided by exposing the aggregate and cement matrix of the set surface and casting the new concrete against this. This method may avoid the need for waterstops. However, it is essential that such joints are watertight and it may be necessary to provide waterstops depending on conditions and the contractor's methodology.
2. Injection hose systems may be used in construction joints and shall be installed in accordance with the manufacturer's instructions with resin being injected according to manufacturer's recommendations until resin is seen to exit the joint face.



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2.2- Drawings





PROJECT : Construction of Infrastructure & Utilities Works Associated with Phase I of Reem Hills Development on Plot TMP2, Sector RT7, Al Reem Island.

3. Technical Comparison

Compliance Statement

Project Specification	Properties of proposed material		Comply				
Joint Sealant shall be non-degradable for its particular application and be suitable for use in climatic conditions of Abu Dhabi with minimum life expectancy of 15 years and shall have a proven record of no less than 10 years under similar climatic condition. In the event that any defects occur within 10years of completion of the works the contractor shall at the convenience of ADSSC effect all repairs necessary to remedy the defects to the satisfaction of the ADSSC and at no cost to the ADSSC	<p>Corroseal PS 749 are suitable to be used in hot climate like Abu Dhabi.</p> <p>Corrotech Construction chemicals was founded in 1982. And they start supplying construction chemicals from that time. So they have more than 10 years under similar climatic condition.</p> <p>Noted.</p>		Comply				
Joint Sealant for exposed joints shall be grey unless otherwise specified	Corroseal PS 749 can come in grey color		Comply				
Joint sealants for use in all types of joints in water retaining structures and water tight structures subjected to sewerage environment shall be polyurethane based. The polyurethane-based sealant shall be cold applied two-part sealant	Noted. Polyurethane cold applied joint sealant will be used for watertight structures.						
Polysulphide Based Sealant shall be a cold applied two-part sealant. Polysulphide Sealant shall have a movement accommodation factor of at least 20 %	<p>Corroseal PS749 is a multi use, two component polysulphide, joint Sealant have a movement accommodation factor of 25 %</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">Value as per TDS</td> <td style="text-align: center;">Value as Per Test Report</td> </tr> <tr> <td style="text-align: center;">$\pm 25\%$</td> <td style="text-align: center;">25 %</td> </tr> </table>		Value as per TDS	Value as Per Test Report	$\pm 25\%$	25 %	Comply
Value as per TDS	Value as Per Test Report						
$\pm 25\%$	25 %						
The appropriate hardness of elastomeric sealants shall be determined in consultation with the manufacturer. Considering joint movement and exposure. Any sealant exposed to traffic shall have adequate strength and modulus elasticity	Corroseal PS 749 seal movement and control joints in water treatment structure. When exposed to traffic it has adequate strength and modulus elasticity to resist damage by traffic.		Comply				
Backing Rod shall be proprietary type recommended by the sealant manufacturer and have a diameter 25 %greater than the joint width	Corrotech Backing Rod is recommended to be used in the joints. And having a diameter of 25 % greater than the joint.		Comply				
Bond Breaker shall be a propriety type recommended by sealant manufacturer and shall be full width of joint	Corrotech Backing Rod is closed cell polyethylene backing rod will act as bond breaker.		Comply				



Formulas for Success

P.O. Box : 8344, Dubai, U.A.E., Tel : 8112100, Fax : 8112101 , Website : www.mctuae.com

Technical Compliance Statement

SN	Project Specification			Properties of proposed material		Compliance
A	Corroseal PS 749					
	Property	Test Method	Minimum Requirement	Proposed Value	Test Value	
1	Shore A Hardness	-	Not Specified	25 ₊ 5	28	Comply
2	Peel off test	-	Not Specified	37.80 N	42.00 N	Comply
3	Movement Accommodation Factor (MAF)	-	Not Specified	25%	25%	Comply
B	Corroprime 626					
SN	Property	Test Method	Minimum Requirement	Proposed Value	Test Value	
1	Solid Content	-	Not Specified	45%	46.2%	Comply





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4. Manufacturer's Technical Data /Original Catalogues

Coroprime 626

Solvent Based Epoxy Primer / Sealer

Product Features

Coroprime 626 is a low viscosity, solvent based, two component epoxy primer designed to penetrate into porous substrates such as concrete, screeds and masonry to improve the bonding for **Corrotech** polysulphide & polyurethane sealants.

Coroprime 626 do not contain asbestos, chromated copper arsenate and lead.

Typical Uses

Coroprime 626 is used exclusively as a primer for **Corroseal PS749** & **Corroseal 25LM**.

Directions for Use

Preparation

Long term durability and function can only be achieved with good preparation to give a strong adhesive & mechanical bond to the substrate.

New concrete or screed should be fully cured with a maximum residual relative humidity (RH) of 75%.

Prepare surfaces preferably by mechanical methods such as grinding to remove laitance, curing compounds and other loose materials to provide a mechanical key for **Coroprime 626**.

Mixing

It is essential that the mixing instructions are carefully followed to ensure the correct characteristics of the product are achieved. Failure to do so can result in lower performance or even possible failure of the product.

Thoroughly mix both parts of **Coroprime 626** together in full, using a slow speed drill and paddle for at least 4 – 5 minutes until a homogenous consistency is achieved.

DO NOT UNDER ANY CIRCUMSTANCES PART MIX MATERIALS.

Application

We recommend checking the substrate before commencing works to ensure it is at least 3° C above dew point.

Apply **Coroprime 626** using a brush or roller to the prepared surface, at a theoretical coverage rate of 5 m² per litre at 100 microns per coat. Allow the primer to dry before applying any subsequent materials.

A second priming coat may be required if the substrate is particularly porous. Re-prime if the primer coat has not been over coated within 18 hours.

Dust and surface contamination must be removed prior to applying subsequent products.

Curing

No special curing is required for **Coroprime 626**.

Technical Specification

Properties	Test Standards	Typical Values
Appearance		Clear, transparent liquid
Specific gravity when mixed @ 25° C	ASTM D 1475	0.95 - 1.00
Viscosity @ 25° C		60 cps
Total solids		45% by volume
Flash point		39° C
Pot life @ 25° C		2 hours
Touch dry @ 25° C		1 hour
@ 35° C		45 minutes
Full cure @ 25° C		7 days
Mix ratio		Part A : Part B 4 : 1 by volume

Note: All values given are subject to 5 - 10% tolerance.

Cleaning

Clean tools and equipment immediately after use with **Coroclean**.

Estimating

Coroprime 626 pack size: 5 & 20 litre kits. Coverage rate approximately 5 m² per litre per coat at 100 microns WFT (approximately 45 microns DFT)

All coverage rates given are theoretical and subject to actual site conditions. We recommend trial areas are done to establish practical consumption particularly for primers.

Hot Weather Conditions

For application above 40° C we recommend adopting the following guidelines:

Store unmixed materials in a cool preferably air conditioned environment.

Avoid exposure of materials to direct sunlight.

Keep equipment that will be in contact with the product cool and away from direct sunlight.

Avoid application during the hottest time of day.

Coroprime 626

Solvent Based Epoxy Primer / Sealer

Limitations

Substrate temperatures should be above 5° C and rising.

For application in temperatures above 40° C please refer to hot weather condition recommendations.

Avoid application if the work area may be subject to the onset of rain or moving water.

All products should be used within the pot life. Materials not used within the specified time should be discarded.

The product should not be thinned with any type of solvent under any circumstances.

If the above general application details do not meet with your requirements, please contact **Corrotech** for a project specific method statement.

Health & Safety

Always use appropriate PPE including gloves, goggles and a barrier cream to avoid contact with skin and eyes.

Should contact with skin or eyes occur, wash immediately with plenty of clean water and seek medical advice.

If swallowed, seek medical attention immediately. Do not induce vomiting.

Avoid inhalation and ensure adequate ventilation or suitable respiratory equipment if working in confined spaces.

Do not expose products to fire or naked flames under any circumstances.

Always refer to the product Material Safety Data Sheet (MSDS) for full health & safety and handling recommendations.

Storage

Coroprime 626 has a maximum shelf life of 12 months from the date of manufacture.

To maximize shelf life always store products in their original, unopened packaging in a dry environment, away from direct sunlight with a minimum temperature of 10° C but not exceeding 35° C.

Damaged packaging, high humidity or extreme temperatures may reduce the shelf life.

Product Warranty

Corrotech Construction Chemicals product will meet the performance claims stated herein when material is stored and used as instructed in this Technical Data Sheet. Corrotech Construction Chemicals ensures that all its products are carefully manufactured to ensure the highest quality possible and are tested strictly in accordance with universally recognized standards (ASTM, BS, etc.). Since Corrotech Construction Chemicals has no control over the use of the product described herein, no warranty for any application can be given.

Corroseal PS749

Two Part Polysulphide Joint Sealant

Product Features

Corroseal PS749 is a multi use, two component polysulphide, joint sealant for sealing movement & construction joints from 5 to 50 mm width in concrete, masonry, metal and many other substrates. It chemically cures to form a tough but flexible elastomeric seal, accommodating continuous cyclic movement of up to 25% of the joint width as a total movement, whilst giving excellent, weathering and chemical resistant properties.

Corroseal PS749 is supplied in pre weighed packs in gun or pouring grades, ready for on site mixing and use, giving consistent properties and performance.

Corroseal PS749 do not contain asbestos, chromated copper arsenate and lead.

Complies to BS 4254, ASTM C920 type M, grade P and NS, Class 25, T.

Typical Uses

Corroseal PS749 is typically used for sealing horizontal & vertical movement joints in building & civil engineering structures such as high rise, dams, reservoirs, concrete pavements, basements and bridges.

Directions for Use

Preparation

Concrete

Long term durability and function can only be achieved with good preparation to give a strong adhesive & mechanical bond to the substrate.

New concrete should be fully cured with a maximum residual relative humidity (RH) of 75%.

Existing sealants should be cut out and removed prior to preparation of the joint faces.

Prepare concrete surfaces preferably by mechanical methods such as angle grinding or saw cutting to remove laitance, curing compounds and other loose materials to provide a mechanical key for **Corroprime 626**.

Mechanically chamfer or bull nose joint arrises to remove 90° corners, particularly for joints subject to traffic.

After preparation, small chips & arris imperfections can be repaired using **Corromortar FC** or **Corromortar STD** (see separate data sheet) to provide a smooth even surface.

Allow **Corromortar FC** or **Corromortar STD** to cure for 24 hours and lightly abrade prior to priming.

Apply masking tape either side of the joint to protect surfaces from primers & excess material.

Insert **Corrocell** or **Corrotech Backing Rod** (see separate data sheets) into the prepared joint to create a slot for the sealant, with a width to depth ratio of between 2:1 & 1:1 in accordance with good joint sealant design, however for joints subject to traffic, the minimum depth must be 20 mm.

Steel

Mechanically prepare steel surfaces to SA 2½, NACE No. 2 or SSPC-SP 10 prior to applying **Corroprime 626**.

Priming

Concrete

Prior to the application of **Corroseal PS749**, prime the prepared surface using **Corroprime 626**.

Thoroughly mix both parts of **Corroprime 626** together in full, using a slow speed drill and paddle for 3 – 5 minutes until a homogenous consistency is achieved.

Apply **Corroprime 626** using a brush or roller to the prepared concrete surface at a rate of 4 – 5 m² per litre per coat.

Allow the primer to become tack free before applying **Corroseal PS749**.

Work the primer well into the concrete surface to give an even, continuous, unbroken coating.

A second priming coat may be required if the substrate is particularly porous.

Re-prime if the primer coat has been left open for more than 12 hours.

Dust and surface contamination must be removed prior to subsequent application of **Corroseal PS749**.

Steel

Prime prepared steel surfaces with **Corroprime 626** to provide an even, continuous, unbroken coating.

Allow to become tack free before applying **Corroseal PS749**.

Mixing

It is essential that the mixing instructions are carefully followed to ensure the correct characteristics of the product are achieved. Failure to do so can result in lower performance or even possible failure of the product.

Add the contents of the Part B container to the contents of the Part A container and mechanically mix the components together for 3 – 5 minutes, until a homogenous consistency is achieved.

Corroseal PS749

Two Part Polysulphide Joint Sealant

DO NOT UNDER ANY CIRCUMSTANCES PART MIX MATERIALS.

Application

Gun grade

Carefully empty to contents of the mixed product into a solid barrel gun, by unscrewing both the end cap & plunger mechanism and manually filling the empty barrel.

Once the barrel is full, screw the end cap and plunger back on and apply by squeezing the trigger to discharge the mixed material into the prepared joint, ensuring good contact with the joint faces.

Pouring grade

Once mixed, crush the top of the can to form a spout, and then carefully pour the mixed material into the prepared joint ensuring good contact with the joint faces.

Allow the sealant to settle, and top up immediately if required to the finished level.

Immediately after application, finish the sealant in the joint by tooling it to a smooth, concave finish with a mixture of water and a high concentration of washing up liquid.

Remove the masking tape immediately after tooling.

Curing

Allow **Corroseal PS749** to cure fully for 4 - 7 days before exposing to full mechanical or chemical conditions.

Technical Specification

Properties	Test Standards	Typical Values
Colour		Grey
Consistency		Thick paste
Volume solids		100%
Application life	BS 4254:1983	2 hour 40 minutes
Curing time		
initial set @ 25° C		24 hours
full cure @ 25° C		7 days
Max service temperature		- 20° C to +80° C
Application temperature range		15° C to 50° C
Shore A hardness		25 ± 5
Peel off test		37.80 N
Movement		25%
AccommodationFactor (MAF)		

Note: All values given are subject to 5 - 10% tolerance.

Cleaning

Clean tools and equipment immediately after use with **Corroclean**.

Estimating

Corroseal PS749 pack size: 2.5 litres gun grade & 4 litres pouring grade. Coverage rate as per table below:

Guide to approximate quantities				
Joint size in mm (WxD)	Litres per LM	LM per 2.5 litre pack	LM per 4 litre pack	For approximate quantities for joint sizes other than those given, please refer to the formulas given in the sealant estimating guide in the Corrotech Construction Chemicals Product Summary Guide .
10 x 10	0.1	25.0	40.0	
12 x 10	0.12	20.8	33.3	
15 x 10	0.15	16.6	26.6	
20 x 10	0.2	12.5	20.0	
15 x 15	0.225	11.1	17.7	
20 x 15	0.3	8.3	13.3	
25 x 15	0.375	6.6	16.6	
20 x 20	0.4	6.2	10.0	
25 x 20	0.5	5.0	8.0	
30 x 20	0.6	4.1	6.6	

All coverage rates given are theoretical and subject to actual site conditions. We recommend trial areas are done to establish practical consumption particularly for primers.

Hot Weather Conditions

For application above 40° C we recommend adopting the following guidelines:

Store unmixed materials in a cool preferably air conditioned environment.

Avoid exposure of mixed & unmixed materials to direct sunlight.

Keep equipment that will be in contact with the product cool and away from direct sunlight.

Avoid application during the hottest time of day.

Limitations

The total designed movement the sealant can accommodate should not exceed 25% of the joint width.

Substrate temperatures should be above 5° C and rising.

Corroseal PS749

Two Part Polysulphide Joint Sealant

For application in temperatures above 40° C please refer to hot weather condition recommendations.

Avoid application if the work area may be subject to the onset of rain or moving water.

Do not part mix under any circumstances.

All products should be used within the pot life. Materials not used within the specified time should be discarded.

If the above general application details do not meet with your requirements, please contact **Corrotech** for a project specific method statement.

Health & Safety

Always use appropriate PPE including gloves, goggles and a barrier cream to avoid contact with skin and eyes.

Should contact with skin or eyes occur, wash immediately with plenty of clean water and seek medical advice.

If swallowed, seek medical attention immediately. Do not induce vomiting.

Avoid inhalation and ensure adequate ventilation or suitable respiratory equipment if working in confined spaces.

Do not expose products to fire or naked flames under any circumstances.

Always refer to the product Material Safety Data Sheet (MSDS) for full health & safety and handling recommendations.

Storage

Corroseal PS749 has a maximum shelf life of 12 months from the date of manufacture.

To maximize shelf life always store products in their original, unopened packaging in a dry environment, away from direct sunlight with a minimum temperature of 10° C but not exceeding 35° C.

Damaged packaging, high humidity or extreme temperatures may reduce the shelf life.

Product Warranty

Corrotech Construction Chemicals product will meet the performance claims stated herein when material is stored and used as instructed in this Technical Data Sheet. Corrotech Construction Chemicals ensures that all its products are carefully manufactured to ensure the highest quality possible and are tested strictly in accordance with universally recognized standards (ASTM, BS, etc.). Since Corrotech Construction Chemicals has no control over the use of the product described herein, no warranty for any application can be given.

Corrotech Backing Rod

Closed Cell Polyethylene Backing Rod

Product Features

Corrotech Backing Rod is a non-extruding, non-absorbent, closed cell polyethylene backing rod designed for use as a backing material, to provide support and accurate depth measurement for subsequent joint sealant materials for expansion joints in concrete, and is particularly recommended for joints in brickwork, blockwork and masonry in accordance with BS 5628 – 3 : 2001 The Code of practice for use of masonry.

Corrotech Backing Rod is bitumen free, rot proof and has high compression & recovery therefore accommodating thermal and other structural movements in structures, without the risk of load transfer or reflective cracking through the designed joint.

Typical Uses

Corrotech Backing Rod is typically used as a backing material for sealants in expansion and movement joints between concrete, brickwork, blockwork, and masonry where bituminous fibre boards are not recommended.

Corrotech Backing Rod is highly recommended for joints in water retaining or excluding structures.

Directions for Use

Preparation

For expansion joints in new concrete, brickwork, blockwork, and masonry, construct both sides of the joint prior to fixing **Corrotech Backing Rod**.

Application

We recommend using a **Corrotech Backing Rod** diameter 10 – 20% greater than the width of the existing joint, to ensure a snug fit particularly when the joint opens.

Cut the **Corrotech Backing Rod** using a sharp knife to the desired length of the joint.

Simply squeeze the **Corrotech Backing Rod** into the joint to the desired level so as to create a slot to the specified depth of the subsequent joint sealant.

After the sealing slot has been created, we recommend sealing the joint with an appropriate sealant from the **Corroseal** range.

Cleaning

Clean tools & equipment immediately after use with detergent and water.

Technical Specification

Properties	Test Standards	Typical Values
Appearance		Flexible foam
Colour		White
UV resistance		Excellent
Flexibility		Excellent

Note: All values given are subject to 5 - 10% tolerance.

Estimating

Corrotech Backing Rod cord sizes: 100 LM in 10, 15, 20, 25, 30, 40 & 50 mm diameters. Cord lengths may vary slightly. Please check for stock and availability of diameters and lengths.

All coverage rates given are theoretical and subject to actual site conditions. We recommend trial areas are done to establish practical consumption particularly for adhesives.

Limitations

Avoid application if the work area may be subject to the onset of rain or moving water.

If the above general application details do not meet with your requirements, please contact **Corrotech** for a project specific method statement.

Health & Safety

Always use appropriate PPE including gloves, goggles and a barrier cream to avoid contact with skin and eyes.

Do not expose products to fire or naked flames under any circumstances.

Always refer to the product Material Safety Data Sheet (MSDS) for full health & safety and handling recommendations.

Storage

Corrotech Backing Rod has a maximum shelf life of 12 months from the date of manufacture.

To maximize shelf life always store products in their original, unopened packaging in a dry environment, away from direct sunlight with a minimum temperature of 10° C but not exceeding 35° C.

Damaged packaging, high humidity or extreme temperatures may reduce the shelf life.

Corrotech Backing Rod

Closed Cell Polyethylene Backing Rod

Product Warranty

Corrotech Construction Chemicals product will meet the performance claims stated herein when material is stored and used as instructed in this Technical Data Sheet. Corrotech Construction Chemicals ensures that all its products are carefully manufactured to ensure the highest quality possible and are tested strictly in accordance with universally recognized standards (ASTM, BS, etc.). Since Corrotech Construction Chemicals has no control over the use of the product described herein, no warranty for any application can be given.





PROJECT : Construction of Infrastructure & Utilities Works Associated with Phase I of Reem Hills Development on Plot TMP2, Sector RT7, Al Reem Island.

5. Recent Test Reports/Certificates

**REPORT ON DETERMINATION OF ADHESION AND COHESION UNDER CYCLIC
MOVEMENT**

Page 1 of 1

Client	: Corrotech Construction Chemicals	Report No : ISTL-270922-139 /01
Consultant	: Not Provided	Date Reported : 15/10/2022
Contractor	: Not Provided	Lab Reference No. : ISTL-270922-139
Project Name	: Evaluation of Materials	Lab Project No. : ISTL-C-1380
Project No.	: Not Provided	Lab Sample No. : ISTL-270922-139
Project Location	: Not Provided	Sampled by : Client Rep
Sample Description	: 2 Part Polyurethane Joint Sealant(Corroseal PS 749)	Sample Brought by : Client Rep
Source of Sample	: Corrotech Construction Chemicals	Date of Sampling : 27/09/2022
Sampling Location	: Not Provided	Date of Sample Received : 27/09/2022
Client Reference No.	: Not Provided	Date Test Started : 15/10/2022
Sender Reference No.	: Not Provided	Date Test Completed : 15/10/2022
Lot No. / Lot Size	: Not Provided	No.of Specimen : 5 No.s
Sampling Method	: Random	Ambient Temperature (°C) : 23
Sample Prep. Method	: ASTM C719-19	Relative Humidity (%) : 50
Test Method	: ASTM C719-19	Tested by : JOS

TEST RESULTS

Substarte Used- Mortar Block

Lab Specimen No.	Test Description	Unit	Result	Observation
ISTL-270922-139	Average Cyclic Movement Accomadation Factor	%	25	Cohesive failure within the specimen

Method variation : Nil
 Remarks : Nil

Signed for and on behalf of Independent Soil Testing Laboratories LLC.


Rajakumar.T.
 Laboratory Manager



Results relate only to the item tested.

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All samples tested conforms with acceptable environmental conditions.

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Rev-00/Jan 19

REPORT ON DETERMINATION OF TENSILE PROPERTIES

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Client	: Corrotech Construction Chemicals	Report No : ISTL-270922-139 /02
Consultant	: Not Provided	Date Reported : 15/10/2022
Contractor	: Not Provided	Lab Reference No. : ISTL-270922-139
Project Name	: Evaluation of Materials	Lab Project No. : ISTL-C-1380
Project No.	: Not Provided	Lab Sample No. : ISTL-270922-139
Project Location	: Not Provided	Sampled by : Client Rep
Sample Description	: 2 Part Polyurethane Joint Sealant(Corroseal PS 749)	Sample Brought by : Client Rep
Source of Sample	: Corrotech Construction Chemicals	Date of Sampling : 27/09/2022
Sampling Location	: Not Provided	Date of Sample Received : 27/09/2022
Client Reference No.	: Not Provided	Date Test Started : 15/10/2022
Sender Reference No.	: Not Provided	Date Test Completed : 15/10/2022
Lot No. / Lot Size	: Not Provided	No.of Specimen : 5 No.s
Sampling Method	: Random	Ambient Temperature (°C) : 23
Sample Prep. Method	: ASTM D412-16	Relative Humidity (%) : 50
Test Method	: ASTM D412-16	Tested by : JOS

TEST RESULTS

Specimen No.	Width (mm)	Elongation(%)
1	6.03	314
2	6.08	328
3	6.06	294
4	6.03	274
5	6.00	280
Average		298

Method variation : Nil

Remarks : Nil

Signed for and on behalf of Independent Soil Testing Laboratories LLC.


Rajakumar.T.
Laboratory Manager

Results relate only to the item tested.

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All samples tested conforms with acceptable environmental conditions.



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REPORT ON DETERMINATION OF DUROMETER HARDNESS

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Client	: Corrotech Construction Chemicals	Report No : ISTL-270922-139 /03
Consultant	: Not Provided	Date Reported : 15/10/2022
Contractor	: Not Provided	Lab Reference No. : ISTL-270922-139
Project Name	: Evaluation of Materials	Lab Project No. : ISTL-C-1380
Project No.	: Not Provided	Lab Sample No. : ISTL-270922-139
Project Location	: Not Provided	Sampled by : Client Rep
Sample Description	: 2 Part Polyurethane Joint Sealant(Corroseal PS 749)	Sample Brought by : Client Rep
Source of Sample	: Corrotech Construction Chemicals	Date of Sampling : 27/09/2022
Sampling Location	: Not Provided	Date of Sample Received : 27/09/2022
Client Reference No.	: Not Provided	Date Tested : 15/10/2022
Sender Reference No.	: Not Provided	Sample Size : 1L
Lot No. / Lot Size	: Not Provided	No.of Specimen : 1
Sampling Method	: NP	Ambient Temperature (°C) : 23
Sample Prep. Method	: ASTM D 2240-15e1	Relative Humidity (%) : 50
Test Method	: ASTM D 2240-15e1	Tested by : JOS

TEST RESULTS

Test Description	Test Method	Unit	Result
Shore 'A' Hardness	ASTM D 2240-15e1	-	28

- Method variation : Nil
 Remarks : A-Type Of Durometer Used
 : This test is accredited by ENAS.

Signed for and on behalf of Independent Soil Testing Laboratories LLC.

Rajakumar T.
 Laboratory Manager



Results relate only to the item tested.

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All samples tested conforms with acceptable environmental conditions.

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REPORT ON DETERMINATION OF PEEL ADHESION STRENGTH

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ISTL Customer : Corrotech Construction Chemicals

Information Provided by Customer

Client	: Corrotech Construction Chemicals
Consultant	: Not Provided
Contractor	: Not Provided
Project Name	: Evaluation of Materials
Project No.	: Not Provided
Project Location	: Not Provided
Sample Description	: 2 Part Polyurethane Joint Sealant(Corroseal PS 749)
Source of Coating	: Corrotech Construction Chemicals
Client Reference No.	: Not Provided
Test Location	: Not Provided
Nature of the test	: Lab test
Type of coating	: 2 Part Polyurethane Joint Sealant(Corroseal PS 749)
Date of Sampling	: 27/09/2022
Sender Reference No.	: Not Provided
Sampled by	: Client Rep
Sampling Method	: ASTM C794-18
Test Method	: ASTM C794-18

TEST RESULTS

Lab Specimen No.	Peel Adhesion Load(N)
1	38.3
2	44.8
3	44.2
4	42.4
Average	42

Method variation : Nil

Remarks : Nil

Signed for and on behalf of Independent Soil Testing Laboratories LLC.


Rajakumar.T.
Laboratory Manager

Results relate only to the item tested.

This report shall not be reproduced except in full, without written approval of the laboratory.

All samples tested conforms with acceptable environment condition.

Laboratory Information

Report No :	ISTL-270922-139	/04
Lab Reference No. :	ISTL-270922-139	
Lab Project No. :	ISTL-C-1380	
Lab Sample No. :	ISTL-270922-139	
Sample Brought by :	Client Rep	
Rate of pull :	50mm/min	
Date of Sample Received :	27/09/2022	
Date Test Started :	12/10/2022	
Date Test Completed :	12/10/2022	
Date Reported :	13/10/2022	
Ambient Temperature (°C) :	23	
Relative Humidity (%) :	50	
Tested by :	JOS	



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REPORT ON DETERMINATION OF VOC CONTENT

Page 1 of 1

Client	:	Corrotech Construction Chemicals	Report No : ISTL-270922-145 /01
Consultant	:	Not Provided	Date Reported : 02/10/2022
Contractor	:	Not Provided	Lab Reference No. : ISTL-270922-145
Project Name	:	Evaluation of Materials	Lab Project No. : ISTL-C-1380
Project No.	:	Not Provided	Lab Sample No. : ISTL-270922-145
Project Location	:	Not Provided	Sampled by : Consultant & Contractor
Sample Description	:	Epoxy Primer(Corroprime 626)	Sample Brought by : Client Rep
Source of Sample	:	Corrotech Construction Chemicals	Date of Sampling : 27/09/2022
Sampling Location	:	Not Provided	Date Sample Received : 27/09/2022
Client Reference No.	:	Not Provided	Date Test Started : 02/10/2022
Sender Reference No.	:	Not Provided	Date Test Completed : 02/10/2022
Sampling Certi. No.	:	NP	Size of Sample : 1
Sampling Method	:	Random	Ambient Temperature (°C) : 25
Sample Prep. Method	:	USEPA-24/ASTM D2369-20	Relative Humidity (%) : 48
Test Method	:	USEPA-24/ASTM D2369-20	Tested by : WIN

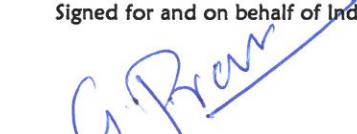
TEST RESULTS

Test Description	Test Method	Unit	Result
VOC Content	USEPA-24/ASTM D2369-20	% by weight	53.8

Method variation : Nil

Remarks : Nil

Signed for and on behalf of Independent Soil Testing Laboratories LLC.


Mathew Manaloor

Technical Manager-CME

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Issue No. 01

REPORT ON DETERMINATION OF SOLID CONTENT

Page 1 of 1

Client	: Corrotech Construction Chemicals	Report No : ISTL-270922-145 /02
Consultant	: Not Provided	Date Reported : 02/10/2022
Contractor	: Not Provided	Lab Reference No. : ISTL-270922-145
Project Name	: Evaluation of Materials	Lab Project No. : ISTL-C-1380
Project No.	: Not Provided	Lab Sample No. : ISTL-270922-145
Project Location	: Not Provided	Sampled by : Client Rep
Sample Description	: Epoxy Primer(Coroprime 626)	Sample Brought by : Client Rep
Source /Supplier	: Corrotech Construction Chemicals	Date of Sampling : 27/09/2022
Sampling Location	: Not Provided	Date Sample Received : 27/09/2022
Client Reference No.	: Not Provided	Date Test Started : 02/10/2022
Sender Reference No.	: Not Provided	Date Test Completed : 02/10/2022
Lot No. / Lot Size	: Not Provided	Size of Sample (Kg) : 1
Sampling Method	: Random	Ambient Temperature (°C) : 25
Sample Prep. Method	: ASTM D2369-98	Relative Humidity (%) : 48
Test Method	: ASTM D2369-98	Tested by : WIN

TEST RESULTS

Test Description	Test Method	Unit	Result
Solid Content	ASTM D2369-98	%	46.2

Method variation : Nil
 Remarks : Nil

Signed for and on behalf of Independent Soil Testing Laboratories LLC.


Mathew Manaloor
 Technical Manager-CME

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REPORT ON PULL OFF STRENGTH OF COATINGS USING PORTABLE ADHESION TESTER

Page No. 1 of 1

ISTL Customer : Corrotech Construction Chemicals

Information Provided by Customer

Client : Corrotech Construction Chemicals
 Consultant : Not Provided
 Contractor : Not Provided
 Project Name : Evaluation of Materials
 Project No. : Not Provided
 Project Location : Not Provided
 Sample Description : Epoxy Primer(Corropriime 626)
 Source of Coating : Corrotech Construction Chemicals
 Client Reference No. : Not Provided
 Test Loaction : Not Provided
 Nature of the test : Lab test
 Type of coating : Epoxy Primer(Corropriime 626)
 Date of Sampling : 27/09/2022
 Sampling Location : Not Provided
 Sampled by : ISTL Rep
 Sampling Method : ASTM D4541-17 Cls.6
 Test Method : ASTM D4541-17 Method B

Laboratory Information

Report No : ISTL-270922-145 /03
 Lab Reference No. : ISTL-270922-145
 Lab Project No. : ISTL-C-1380
 Lab Sample No. : ISTL-270922-145
 Sample Brought by : Client Rep
 Equipment used : Proceq
 Model Number : DY-216
 Glue used : Araldite
 Cure time before test : 24h
 Rate of pull : <1 MPa/s
 Date of Sample Received : 27/09/2022
 Date Test Started : 02/10/2022
 Date Test Completed : 02/10/2022
 Date Reported : 02/10/2022
 Ambient Temperature (°C) : 23
 Relative Humidity (%) : 50
 Tested by : JOS

TEST RESULTS

Area of Dolly used : 314 mm² Diameter of Dolly used : 20 mm
 Type of Substrate : Concrete

Lab Specimen No.	Maximum Load (N)	Pull off Strength (MPa)	Mode of failure	Perecentage removal of coating
1	364	1.16	Cohesive failure within the specimen	100
2	399	1.27	Cohesive failure within the specimen	100
3	330	1.05	Cohesive failure within the specimen	100

Method variation : Nil
 Remarks : This test is Accredited by ENAS.

Signed for and on behalf of Independent Soil Testing Laboratories LLC.

Rajakumar.T.
Rajakumar.T.
 Laboratory Manager

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PROJECT : Construction of Infrastructure & Utilities Works Associated with Phase I of Reem Hills Development on Plot TMP2, Sector RT7, Al Reem Island.

7. Manufacturer/Suppliers Guarantee (as per Contract)

PRODUCT WARRANTY CERTIFICATE

In relation and specific to:

Project Name:	CONSTRUCTION OF INFRASTRUCTURE & UTILITIES WORKS ASSOCIATED WITH PHASE I OF REEM HILLS DEVELOPMENT ON PLOT TMP2, SECTOR RT7, AL REEM ISLAND, ABU DHABI, UAE
Purchase Order:	
Client:	REEM HILLS SOLE-PROPRIETORSHIP LLC
PMC 1	ROYAL DEVELOPMENT COMPANY
PMC 2	ROYAL ARCHITECT PROJECT MANAGEMENT
Consultant:	AECOM
Main Contractor:	NATIONAL PROJECT & CONSTRUCTION LLC
Product:	<u>CORROPRIME 626</u> <u>CORROSEAL PS 749</u> <u>CORROTECH BACKING ROD</u>
Product Technical Data Document:	<u>CORROPRIME 626</u> - Technical Data Document <u>CORROSEAL PS 749</u> - Technical Data Document <u>CORROTECH BACKING ROD</u> - Technical Data Document
Warranty Period:	Two [2] year from the date of TOC
Warranty Serial No:	[CCC-WRY-2023-09-054]

TO WHOM IT MAY CONCERN:

CORROTECH CONSTRUCTION CHEMICALS, PO Box 8344, Dubai, UAE ("Corrotech") hereby warrants that above referenced Products have been tested and are free from defects and meet the standards and specifications as set out in the Product Technical Data Document provided that the Product is applied in strict accordance with the method statement contained in the Product Technical Data Document.

This warranty excludes normal wear and tear inadequate or faulty design of the subject showcase, workmanship, improper installation by others excavation or replacement of any material in connection with the testing , repair, removal or replacement of the products, use of the products against or outside of Corrotech's published approval and recommended uses, chemical incompatibility with other materials, act of god, structural alterations or settlement of the building, any other disturbance to the installation of the products and damages or repairs of any or nature to the subject building or its contents. Any manufacturing defect or technical failure proved attributable to the quality of the Product



within the Warranty Period must be informed to Corrotech in writing, and shall result in Corrotech providing remedies which may include replacement.

Remedies to be determined by Corrotech and subject to the terms of this warranty. A new warranty period shall not be established for any Product replaced under warranty and remains under the remainder period of the original warranty.

This Warranty is null and void in the event of:

- In-correct storage, mishandling or misapplication of the Product.
- Alteration or use of alternative products or procedures that have not been authorized in writing by Corrotech.
- Any situation arising from, or relating to, breach by Client of its obligations under the Purchase Order including payment owed to Corrotech.

Corrotech shall have no liability for any punitive claims including but not limited to personal injury or property damage and under no circumstances shall Corrotech be liable for loss of prospective, incidental or consequential damages arose from Product failure. Maximum extent of Corrotech liability in the event of a warranty claim is strictly limited to Corrotech invoice value of the referenced Product.

This warranty and all materials arising out of it including lost claims are governed by the laws of the UAE.

AUTHORISED FOR AND ON BEHALF OF CORROTECH CONSTRUCTION CHEMICALS

Date: 26.09.2023

Warranty Serial No: [CCC-WRY-2023-09-054]

Signed:

www.mctuae.com