
Technical Submittal

POWER-PROTECT O-95



Submitted to:

Job Name:

Submitted by: POWER PROOF TRADING AND CONTRACTING

Date:

This Submittal Form is provided to assist you in specifying and selecting the proper products. Basic product descriptions and performance data are included. For further information or technical assistance, contact Power Proof representative.

Power Proof Trading & Contracting , P.O.Box 7643 Doha , Qatar

Hot line : 70009311

www.powerproofqatar.com email: info@powerproofqatar.com

Phone : (+974) 4488 32 66 Fax : (+974) 4488 32 66

Index

- **Method of Statement**
- **Materials Data Sheets**
- **Materials Safety Data Sheets**
- **Materials Test Reports**
- **Materials Consultants Approvals**

Technical Submittal

POWER-PROTECT O-95

Part 1.

METHODE STATEMENT



METHOD STATEMENT

Power-Protect O-95

Oil-based Polyurethane Foam Injection Resin

1-PURPOSE

To provide guidance on use of injection to repair cracks in concrete.

2- DESCRIPTION

This method can be used to repair cracks as narrow as 0.1 mm. The method generally consists of drilling holes at close intervals along the cracks, in some cases installing Packers, and injecting the concrete under pressure.

3-EQUIPMENT, TOOLS, AND PERSONNEL REQUIREMENTS

a concrete drill, injection machine (we recommend the **SMART-X** or **COMPACT 6** injection machine), a means of cleaning holes and cracks, and normal hand tools are required. One man can repair cracks using this method, but a two- or three-man operation is more efficient. concrete injection requires personnel with a high degree of skill for satisfactory execution.

4-PREPARATION

1- Clean the cracks. The first step is to clean cracks that have been contaminated. Oil, grease, dirt, or fine particles of concrete prevent epoxy penetration and bonding.

2- contamination should be removed by flushing with water or some other specially effective solvent. The solvent is then blown out using compressed air or adequate time is provided for air-drying.

5- DRILLING & FIXING

1-Use a high quality rotary hammer drill to make injection holes with a varied distance from 15-50 cm to each other, according to the width of crack.

The drilling angle should be approximately 45 degrees or less to concrete surface and intersecting the crack, at a distance of ½ the depth of the concrete element from the crack. Then clean all the holes from dust using air blower .

2-Install injection packers into drilled holes ensuring that top of the sleeve is just below the surface of the concrete to secure sealing of the injector.



METHOD STATEMENT

Power-Protect O-95

Oil-based Polyurethane Foam Injection Resin

6-INJECTION

- 1- Power-Protect O95 is to be applied using the Injection machine (Ex. Smart X).
- 2-Make sure that the delivery line and all the fitting are connected tightly and in new condition at all time. Also ensure that no contamination has entered the delivery system.
- 3-Start the Injection machine with low speed to start the pumping process and increase gradually.
- 4-Once the desired working pressure is obtained set the switch of the machine so that this pressure will both be exceeded. In a regular injection the injection pressure will be well below the 4 bar mark.
- 5-Continue until the crack is filled completely and resin can be seen emerging from the crack surface.
- 6-Then start the process with the next packer until all the packers are done.
- 7-Allow curing overnight and removing the packers and close the holes with special epoxy mortar that can be applied by trowel, spatula or knife.
- 8-If the water is seen at adjacent place 7 days later, the procedure should be repeated until the whole structure is dried.
- 9-Seal the crack permanently by inject Power-Protect W-70 .
- 10- Subsequent to injection of Power-Protect O-95, the same packers shall be used for injecting Power-Protect W-70 to get a permanent seal.
- 11- Remove the packers and make good any holes or voids with any mortar and allow to cure.



METHOD STATEMENT

Power-Protect O-95

Oil-based Polyurethane Foam Injection Resin

7-CLEANING

1-Resins must be cleaned up immediately before it sets using any thinner.

2-Packers must be removed within 24 - 48 hours and patched with appropriate epoxy mortar .

3-Electrical grinder can be used to remove excess cured resin that flowed out the cracks.

8- ENVIRONMENTAL CONSIDERATIONS

Reasonable caution should guide the preparation, repair, and cleanup phases of any crack repair activities involving potentially hazardous and toxic chemical substances. Manufacturer's recommendations to protect occupational Health and environmental quality should be carefully followed. In instances where the effects of a chemical substance on occupational health or environmental quality are unknown, chemical substances should be treated as potentially hazardous and toxic materials.

Technical Submittal

POWER-PROTECT O-95

Part 2.

MATERIAL DATASHEET

Power-Protect O-95

Oil-based Polyurethane Foam Injection Resin

Description

Single component, low viscosity, Hydrophobic closed cell polyurethane foam injection resin .

Applications

It can stop the water leaking in the building very fast, widely used in Subway Station, Tunnel, Culvert, Foundation Improvement, Soil Settlement, Reservoir, Port Project, Top Slab, Cracks Construction Join, Shrinkage Crack, Basement hairline crack etc.

Advantages

- Short waiting times during the works.
- Better crack penetration due to low viscosity
- Better sealing due to great adhesion with concrete.
- High resistance to aggressive chemicals.
- Permanent repair and long-term flexibility.
- Very reactive with water and can complete foaming process within 1-3 minutes.
- Can retain its properties when mixed with weak base/acid, even with seawater.

Test report for Hrophilic polyurethane injection resin

Item	Standard Index	Test Results
Density (g/cm ³ 25°C±0.5°C)	≥1.00	1.16
Viscosity (Mpa.S 25°C±0.5°C)	≤1.0×10 ³	450 to 900
Curing Time /s	≤800	321
Foaming Capability /%	≥1000	2050
Non-Volatile Content/ %	≥75	78
Flash Point °C	≥124	130
The ignite Temperature °C		402

Usage

“Power-Protect O-95” is fit for hairline cracks, wide crack and joints, and for gushing leaks. These can be especially challenging because large quantities of water can wash out the resin before it sets. That is why we have developed a products and technique to tackle gushers. “Power-Protect O95” is explosively expansive to shut down gushing leaks in seconds. It can expand up to 20 times its original volume, and it forms a rigid foam. Try injecting these materials behind the structure for best results.

Consumption

Has to be estimated by the engineer or operator and depends on the size of the cracks and voids, which need injecting and on the expansion rate of the chosen resin.

Cleaning

- Resins must be cleaned up immediately before it sets.
- Packers must be removed within 24 - 48 hours and patched with appropriate epoxy mortar .
- Electrical grinder can be used to remove excess cured resin that flowed out the cracks.

Packaging

Power-Protect O95 is available in 10 KGS Special Iron Pails

Power-Protect O-95

Oil-based Polyurethane Foam Injection Resin

Preparation

If water leakage is found in the water tank or retaining wall, conduct a visual survey to locate the apparent source of the leakage. If the concrete structure is plaster all plaster should be removed from the affected area to expose the concrete below. There after mark the crack through which the water leakage is observed .

Drilling

Use a high quality rotary hammer drill to make injection holes with a varied distance from 15-50 cm to each other, according to the width of crack.

The drilling angle should be approximately 45 degrees or less to concrete surface and intersecting the crack, at a distance of ½ the depth of the concrete element from the crack. Clean all the holes from dust using air pump.

Fixing

Install injection packers into drilled holes ensuring that top of the sleeve is just below the surface of the concrete to secure sealing of the injector.

Application

- Power-Protect O95 is to be applied using the Injection machine (Ex. Smart X).
- Make sure that the delivery line and all the fitting are connected tightly and in new condition at all time. Also ensure that no contamination has entered the delivery system.
- Start the Injection machine with low speed to start the pumping process and increase gradually.

Application(Continue..)

Once the desired working pressure is obtained set the switch of the machine so that this pressure will both be exceeded. In a regular injection the injection pressure will be well below the 400 bar mark.

- Continue until the crack is filled completely and resin can be seen emerging from the crack surface.
- Then start the process with the next packer until all the packers are done.
- Allow curing overnight and removing the packers and close the holes with special epoxy mortar that can be applied by trowel, spatula or knife.
- If the water is seen at adjacent place 7 days later, the procedure should be repeated until the whole structure is dried.
- Seal the crack permanently by inject Power-Protect W-70 (see Datasheet)

Health & Safety

Power-Protect O95 is classified as harmful. Power-Protect O95 is classified as irritant. In case of spills and accidents, refer to the Material Safety Data Sheet of the products or when in doubt contact the Manufacturer .

Always wear protective clothing, gloves and protective goggles when handling chemical products.

For full information, consult the relevant Material Health and Safety Data Sheet.

Appearance

Transparent brown liquid

Power-Protect O-95

Oil-based Polyurethane Foam Injection Resin

Storage

To avoid problems, it is very important to understand that Power-Protect O-95 is both temperature and moisture sensitive.

Therefore, materials should be stored in an area with temperatures not exceeding 30°C or not lower than 10°C.

The maximum shelf-life is one year.

Equipment

- SMART-X Integrated Injection Machine
- Compact 6 powerful Injection Machine
- SP-5 single component injection machine
- Set of Injection Packers



Important Note:

The technical information and application advice in this publication is based on the present state of our best scientific and practical knowledge. As the nature of the information herein is general, no assumption can be made as to the product's suitability for a particular use or application, and no warranty as to its accuracy, reliability or completeness, either expressed or implied, is given other than those required by State legislation. The owner, his representative or the contractor is responsible for checking the suitability of products for their intended use. Field service, where provided, does not constitute supervisory responsibility.

www.powerproofqatar.com/O95



POWER PROOF TRADING & CONTRACTING
Telephone : +974- 44 88 32 66
Hot Line : +974- 70 00 93 11
Email : info@powerproofqatar.com

Technical Submittal

POWER-PROTECT O-95

Part 3.

MATERIAL SAFETY DATASHEET

POWER-PROTECT Safety Data Sheet

Part I Chemical Name

chemical name: Polyurethane Injection Resin

Company Name: POWER PROOF TRADING & CONTRACTING

Tel: +974 44 88 32 66

Fax: +974 44 88 32 66

Emergency Phone: +974 7000 9311

Part II Composition / Ingredients:

Chemical Name	CAS Number	EINECS formula	ingredients
Polyurethane Injection Resin	9009-54-5		100%

Part III Overview of hazards

Potential health hazards

Eyes: May cause eye irritation, may cause swelling or pain.

Skin: May cause skin irritation, may be harmful through skin absorption, repeated skin contact may cause skin dry and chapped skin.

Ingestion: May cause gastrointestinal irritation, symptoms may be nausea, vomiting, diarrhea. May be harmful if swallowed.

Inhalation: Inhalation of vapors may cause respiratory irritation, inhalation of high concentrations of vapor may cause central nervous system response, nausea, headache. Inhalation may be harmful.

Part IV Aid Measures

Eye contact: Immediately flush with plenty of water for at least 15 minutes, lift upper and lower eyelids from time to time, if the stimulus appear, immediately seek medical attention.

Skin contact: immediately wash with soap and plenty of water, remove contaminated clothing and shoes, if stimulated continuous, seek medical care.

Ingestion: Do not induce vomiting, do not put anything into an unconscious person's mouth. Rinse mouth with water, seek medical care immediately.

Inhalation: Immediately move to fresh air from the exposure, if not breathing give artificial respiration, if breathing difficult give oxygen; if any symptoms, seek medical advice immediately.

Part V Fire-fighting measures

In general: in any case the fire, wear self-suction pressure to meet the requirements of the ventilator, MSHA / NIOSH (or equivalent standard), with full protection. In fire conditions due to thermal decomposition or combustion may produce irritation or toxic gases.

POWER-PROTECT Safety Data Sheet

Extinguishing Media: Use water spray to keep containers cool with water spray, carbon dioxide, dry powder or appropriate foam.

Part VI Accidental Emergency

General information: select the appropriate personal protective equipment.

Disclosure: to absorb with inert material (such as vermiculite, sand or soil) and then placed in an appropriate waste container. Move away all sources of ignition, ventilation. Do not let the material come into the drainage system.

Part VII Handling and Storage

Operating: to maintain proper air circulation, avoid inhalation of dust, vapor, mist or gas. Avoid contact with eyes, skin and clothing, avoid ingestion and inhalation. Keep away from heat and fire. Avoid prolonged exposure.

Storage: Store in a dry, ventilated place. Keep container seal. Keep away from fire.

Part VIII Exposure controls / personal protection

Engineering Control: Choose the right ventilation, use and storage of the material should be equipped with eyewash and shower equipment, using general ventilation to ensure that the local concentration of air within a limited level.

Eye protection: Wear protective chemical safety glasses.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin contact.

Part IX Physical and chemical properties Physical State: Liquid

Color: light brown Odor: pungent odor PH value: 6.5

Saturated vapor pressure: Not available Vapor

Density: Not available

Viscosity: 200 mpa.s Boiling Point:

Not available Melting Point: Not

available Flash point:> 100 °C

Explosion Limits: Lower: Not available Explosion

limits: upper limit: Not available Decomposition

Temperature: Not available

Partition coefficient (octanol / water): Not available

Density: 1.060g/m³

Part X Stability and reactivity

Stability: Under normal temperature and pressure stability.

Conditions to avoid: incompatible materials, fire, overheating.

Incompatible materials: strong oxidizers, acids, alkalis.

POWER-PROTECT Safety Data Sheet

Hazardous decomposition products: irritation or toxic smoke or gases, carbon dioxide, carbon monoxide.

HAZARDOUS POLYMERIZATION: None.

Part XI Toxicological information RTECS: CAS #

9009-54-5: TR7875000 LD50/LC50: Not available

Carcinogenicity: Polyurethane Injection Resin - have not been adequately studied.

Other: In the context of our knowledge, the substance of the physical, chemical and toxicological properties have not been adequately studied.

Part XII ECOLOGICAL INFORMATION

Ecological toxicity: Not available

Other: Do not go directly to the drainage system.

Part XIII DISPOSAL

Waste treatment

Disposal in state and local regulations.

Part XIV TRANSPORT INFORMATION

	IATA	IMO	RID	ADR
Proper shipping	no control	no control	no control	no control

Part XV REGULATORY INFORMATION

Regulatory Information: Consult your local, national and EU / international regulations.

Danger sign: Not available

Dangerous terms: no information Safety

Description:

S 24/25 Avoid contact with eyes and skin.

S 26 In case of contact with eyes, rush immediately with plenty of water and seek medical advice. S 37/39 Wear suitable gloves and eye / face protection.

Part XVI Other Information

MSDS preparation date: March 3rd, 2013

This MSDS information is based on our current information of the materials, just to describe the product's health, safety and environmental requirements to enable a better understanding of the parties concerned. This information is provided to you for study and confirmation. The risk and damage prevention measures described is not unique. One use of such information without any implied warranties or description. POWER PROOF Company does not assume any liability. So this MSDS cannot achieve the guarantee of any specific purpose. The relevant user has responsibility to test the safety of this product in advance, and to judge whether they meet your use purpose.

Technical Submittal

POWER-PROTECT O-95

Part 4.

MATERIAL TEST REPORTS



Arab Center
For Engineering Studies

المركز العربي
للدراسات الهندسية

TEST REPORT ON DENSITY OF FOAM OF POWER PROTECT O-95

Page 1 of 1

ACES Client	Power Proof Trading & Contracting	Report No.	TMR19007510
Owner	N.P.	Date Reported	03-02-19
PMC	N.P.	Sample No.	TMS19002170
Project Client	N.P.	Request No.	TMQ19001387
Consultant	N.P.	Client Reference	Full payment in advance
Contractor	N.P.	Project No.	-
Project Name	Private		
Sample Description	Power Protect O- 95	Sampled By	Client's Rep.
Source / Supplier	N.P.	Sampling Date	23-01-19
Sample Location	N.P.	Sampling Cert.	N.P.
Sample Reference	N.P.	Sampling Method	N.P.
RFI No.	N.P.	Sample Size	1 Sample
Test Method	As Below	Sample Brt. in By	Client's Rep.
Test Method Var.	Nil	Dated Received	23-01-19
Tested By	Youkoub	Dated Tested	03-02-19

Test	Units	Test Method	Average Test Results
Density of Foam @ 20°C	kg/m ³	ASTM D1622	32

Remarks : -The test results related only to the specimen(s) tested



0 0 0 4 8 7 3 3 7 3 .

Eng. Ghaleb Al - Zubi
Deputy Branch Manager

ACES
المركز العربي
For Engineering Studies للدراسات الهندسية



ص.ب. ١٩٥٧٩، الدوحة، قطر هاتف: +٩٧٤ ٤٤ ٨٧٠ ١٤١ فاكس: +٩٧٤ ٤٤ ٨٧٠ ١٤٦
P.O.Box : 19579, Doha, Qatar Tel.: +974 44 870 141 Fax: +974 44 870 146





Arab Center
For Engineering Studies

المركز العربي
للدراسات الهندسية

TEST REPORT ON REACTION TIME OF POWER PROTECT O-95

ACES Client	Power Proof Trading & Contracting	Report No.	TMR19007101
Owner	N.P.	Date Reported	31-01-19
PMC	N.P.	Sample No.	TMS19002170
Project Client	N.P.	Request No.	TMQ19001387
Consultant	N.P.	Client Reference	Full payment in advance
Contractor	N.P.	Project No.	N.P.
Project Name	Private		
Sample Description	Power Protect O- 95	Sampled By	Client's Rep.
Source / Supplier	N.P.	Sampling Date	23-01-19
Sample Location	N.P.	Sampling Cert.	N.P.
Sample Reference	N.P.	Sampling Method	N.P.
RFI No.	N.P.	Sample Size	1 Sample
Test Method	As Below	Sample Brt. in By	Client's Rep.
Test Method Var.	Nil	Dated Received	23-01-19
Tested By	David	Dated Tested	31-01-19

Test	Units	Test Method	Average Test Results
Reaction time with water @ 20 °C	Sec	Internal Method	15

Remarks : -The test results related only to the specimen(s) tested



0 0 0 4 8 6 4 7 6 3 .

Eng. Ghaleb Al-Zubi
Deputy Branch Manager

~ City

ACES
المركز العربي
للدراسات الهندسية
For Engineering Studies



ص.ب 19579، الدوحة، قطر هاتف : +974 44 870 141 فاكس : +974 44 870 146
P.O.Box : 19579, Doha, Qatar Tel.: +974 44 870 141 Fax: +974 44 870 146

Email: acs@aces-int.com www.aces-int.com





Arab Center
For Engineering Studies

المركز العربي
للدراسات الهندسية

TEST REPORT ON DENSITY OF POWER PROTECT O-95

ACES Client	Power Proof Trading & Contracting	Report No.	TMR19007101/2
Owner	N.P.	Date Reported	31-01-19
PMC	N.P.	Sample No.	TMS19002170
Project Client	N.P.	Request No.	TMQ19001387
Consultant	N.P.	Client Reference	Full payment in advance
Contractor	N.P.	Project No.	N.P.
Project Name	Private		
Sample Description	Power Protect O- 95	Sampled By	Client's Rep.
Source / Supplier	N.P.	Sampling Date	23-01-19
Sample Location	N.P.	Sampling Cert.	N.P.
Sample Reference	N.P.	Sampling Method	N.P.
RFI No.	N.P.	Sample Size	1 Sample
Test Method	As Below	Sample Brt. in By	Client's Rep.
Test Method Var.	Nil	Dated Received	23-01-19
Tested By	David	Dated Tested	31-01-19

Test	Units	Test Method	Average Test Results
Density @ 25 °C	g/cm ³	ASTM D1475 - 13	1.19

Remarks : -The test results related only to the specimen(s) tested



0 0 0 4 8 6 4 7 6 3 .

Eng. Ghaleb Al-Zubi
Deputy Branch Manager

2019

ACES
Arab Center
المركز العربي
للدراسات الهندسية



ص.ب ١٩٥٧٩، الدوحة، قطر هاتف: +٩٧٤ ٤٤ ٨٧٠ ١٤١ فاكس: +٩٧٤ ٤٤ ٨٧٠ ١٤٦
P.O.Box : 19579, Doha, Qatar Tel.: +974 44 870 141 Fax: +974 44 870 146
E-mail: aced@aces-int.com www.aces-int.com



Technical Submittal

POWER-PROTECT O-95

Part 5.

MATERIAL APPROVALS

Certification of Registration



POWER PROOF TRADING & CONTRACTING

ADDRESS: BINMAHMOUD AREA, AL- JEZEERA STREET, BUILDING NO-56,
FLOOR NO-03, OFFICE NO-303 DOHA, QATAR

QACS INTERNATIONAL

Certify that the quality management system of the above organisation has been audited and found to be in accordance with the requirements of standard detailed below.

ISO 9001:2015

BUILDING CHEMICALS MATERIALS & ADDITIVES FOR CONCRETE SOLUTIONS,
CONCRETE INJECTION MACHINES, CONCRETE INJECTION ACCESSORIES,
CONCRETE INJECTION RESIN, CONCRETE CORING, CONCRETE CUTTING,
CONCRETE REPAIR, CRACKS INJECTION, LIGHT WEIGHT CONCRETE,
FLOORINGS & COATINGS, CAR PARKING COATING, CONCRETE
GRINDING SCREED WORKS, SHOTCRETE WORKS

Certificate No:- QAIS-Q-QAT-PP-02.18.117

This certification was conducted in accordance with the qacs international f.z.c auditing and Certification procedures and it is remain valid subject to annual surveillance audits.

Certificate Issue Date: 23rd April 2018
Date of Initial Registration: 23rd April 2018
Certificate Validity:- 3 Years

1st Surveillance Date: 22nd April 2019
2nd Surveillance Date: 22nd April 2020
Recertification Date:- 22nd April 2021

Note: Certificate shall be valid after surveillance, only if continuation letter by QACS is present.

To Check the certificate validity please

Refer Web:- (www.qacsintl.ae).




Authorised Signatory



QACS International F.Z.C

Email id: info@qacsintl.ae, operationqacs@gmail.com
www.qacsintl.ae



قطر تستحق الأفضل
Qatar Deserves The Best

16/05/2019 11:25:22 AM



2019/0011596/5

السيد/ حافيير جوسانديس جونزالز
مدير العقود الإطارية
شركة ليكواس للتجارة والمقاولات
صندوق بريد: 209143 - الدوحة
فاكس رقم: 44157294

تحية طيبة وبعد ، ، ،

الموضوع: تقديم التسليم المواد لمشروع الطاقة 95

بالإشارة الي كتابكم رقم GTC101-LTC-PWA-0255 بتاريخ 09.05.2019 يرجى الإحاطة بأن مادة
Power Protect 095 Rev.2 المقدمة من طرفكم والمخصصة للحقن مقبولة لدينا.
لذا يمكنكم الاستمرار في العمل طبقا لشروط التعاقد

وتفضلوا بقبول فائق الاحترام

خالد احمد العبيدلي
مدير ادارة تشغيل وصيانة شبكات الصرف الصحي



State of Qatar
Public Works Authority
Assets Affairs

This form is to be used for describing the review comments related to Contractor post contract award submittals of management plans, procedures, method statements, inspection test plans, risk assessments, pre-qualification, materials, mock ups, test reports, drawings, etc. that can lead to one of the following outcomes.

<input checked="" type="checkbox"/> Status A (Reviewed)	<input type="checkbox"/> Status B (Reviewed as noted)	<input type="checkbox"/> Status C (Revise and Resubmit)	<input type="checkbox"/> Status D (Cancelled)
Review Outcome			
A: Reviewed			

Response Date:	12-May-2019
Reviewed by:	Riza Ozan Goray
Checked by:	Mohd Radzi Bin Haji Othman
Review Reference:	QCS 2014, SIC_18 Framework Contract & ITQ

Contractor Submittal Details	
Project	Sewer Inspection and Cleaning Services Framework (SIC_18) (AA-DOM 14/15 M 1646-4.07/G)
Client:	Ashghal
Consultant:	n.a.
Contractor	
FCTS Submittal Reference:	2019_0002707_1 (GTC101-LTC-PWA-185)
Contractor Submittal Ref. & Rev.:	LTC-MAR-DOC-001 R2
Submittal Title:	Material Submittal for Injection (Power Protect O95, Power Proof)
Submission Date:	12/05/2019


No.	Related Section, Chapter, etc.	Remarks, Observations, Comments	Resolution	Status
1.0	ALL	No page no.'s, no document header & footer, table of content, section dividers, etc. Spelling checks & amendments needed throughout the document (i.e. "GEC", "Clnet", submittal number, etc.) 23-Apr-19 (FCTS Ref. 2019_0018690_1, GTC101-LTC-PWA-0235) Document quality improved.	REV.01: Material submittal revised as per the comments	C

Project Details

Document No:	DN107-P05-BTC-CON-MAR-G10233	Rev. No.:	00	Date:	16 July 2019
Project No:	IA 2016 C 066 G	Area:	Package 05		
Project Title:	Infrastructure FS Gaps for Bani HAJER Package 05 (P107-P05)				
GEC	HYDER Consulting Middle East Limited	Contractor:	Bin Omran Trading and Contracting Company		

We request the approval of the Engineer to supply the following materials for incorporation into the works

Part 1 - Material Particulars (one item per form)

Type of Material:	POLYESTER CRACK SEALER (POWER PROTECT O-95 & W-70)		 <table border="1"> <tr> <td>No.</td> <td>2531</td> </tr> <tr> <td>Date Rec'd</td> <td>16/7/19</td> </tr> <tr> <td>AM/AD</td> <td>CB</td> </tr> <tr> <td>F.I.P.</td> <td></td> </tr> <tr> <td>File</td> <td></td> </tr> <tr> <td>Action</td> <td>SJ-JB</td> </tr> <tr> <td>Copied to:</td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>	No.	2531	Date Rec'd	16/7/19	AM/AD	CB	F.I.P.		File		Action	SJ-JB	Copied to:			
No.	2531																		
Date Rec'd	16/7/19																		
AM/AD	CB																		
F.I.P.																			
File																			
Action	SJ-JB																		
Copied to:																			
Area of Application:	INJECTION AND SEALING WATER LEAKS in the shafts																		
BoQ Ref:	Section 11	Drawing Ref:																	
Specification:	QCS 2014 Section 8																		
Applicable Standards:																			
Country of Origin:	Qatar																		
Availability:	As Required																		

List and attach all relevant technical literature marked to identify relevant description, current test certificates, samples as appropriate

- Company Profile
- Certificates , Compliance Statement , Technical Data Sheet , Warranty Certificate
- Test Certificate , Country of Origin
- Sample Warranty Certificates , Project Reference List
- Previous Approval , Product Catalogues ,

Part 2 - Particulars of Manufacturer / Supplier

Company Name:	POWERPROOF TRADING AND CONTRACTING
Address 1:	Doha, Qatar P.O. Box 7643
Address 2:	
Address 3:	
Address 4:	
e-mail:	aya@powerproofqatar.com



Telephone No: +974-44883266/70009311

Part 3 - Particulars of Local Agent (if applicable)

Company Name:

Address 1:

Address 2:

Address 3:

Address 4:

e-mail:

Telephone No:

Part 4 - Delivery Details

Ex-Works Total Duration:

Latest Date for Order:

Date Material Required on Site:

Estimated Date of Arrival on Site:

We certify that the above submitted items have been reviewed in detail and are correct and in strict accordance with the contract drawings and specifications except as otherwise stated, and also that the material sources indicated above have been reviewed in detail and that we will supply the submitted items in full compliance with the schedule delivery plans

Name: ABDULSALAM AL DAMLAKHI

Signature:



Date: 16 JULY 2019

Part 5 - GEC Recommendation Comments

To Contractor:

NO COMMENT.

Action Code A:

Approved as Submitted

NOTE MUST RECORD WHERE THIS PRODUCT IS USED. INRS TO BE ISSUED FOR ALL REPAIRS. J. K. 20/07/19.

Action Code B:

Revise and Re-submit

Action Code C:

Rejected

Name:

Signature:

Handwritten signature of Hayder Kounsil



RE 20/7/19.

Footnote:

Approval by the GEC shall not relieve the Contractor of its obligations and liabilities under the contract or constitute authorization of any change to Contract Documents, and therefore, shall not imply any recognition whatsoever of additional time or cost to the contract.



17 April 2016

Ref.: M006-LBE-COM-LTR-01966

To: **AKTOR-L&T-YAPI-STFA-JEC-JV (ALYSJ JV)**
 Near Al Waab Petrol Station
 Behind Qtel Building
 Al Waab Street
 P.O. Box 24375, Doha, Qatar

Attention: Mr. Carlo Germani - Contractor's Representative

Project: Qatar Integrated Railway Project (QIRP) – Gold Line Underground - Contract No:
 RTC/ 040/2012

Subject: Approval request under Sub-Clause 4.7.3 – General Conditions of Contract for
 * Subcontractor: Power Proof Trading and Contracting for Floorings, Coatings, Light
 Weight Foamed Concrete and Screeding Works

The Engineer's Approval Request of local Subcontractors and Suppliers to carry out Lump Sum Works, all in accordance with Conditions of Contract Sub-Clause 4.7

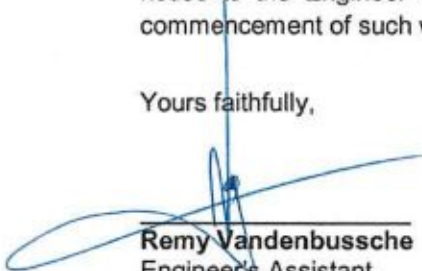
SUBCONTRACTOR	✓	LUMP SUM	✓	LOCAL	✓	STAGE 1 (Add to App'd List)	N/A
SUPPLIER	N/A	PROVISIONAL SUM	N/A	INTERNATIONAL	N/A	STAGE 2 (App'd for duties)	✓
Scope	Subcontractor for Floorings, Coatings, Light Weight Foamed Concrete and Screeding Works						

We refer to your Subcontractor Approval Request (SAR) submission ref: M006-GDB-COM-SAR-00705 Rev.2 dated 31 March 2016.

Pursuant to the Conditions of Contract, Sub-Clause 4.7.3, the Engineer hereby approves **Power Proof Trading and Contracting** as an approved Subcontractor for Floorings, Coatings, Light Weight Foamed Concrete and Screeding Works as a part of the LUMP SUM work elements.

The Contractor's attention is drawn to Sub-Clause 4.7.5, which requires the Contractor to give 28 days' notice to the Engineer of the intended date of commencement of the Subcontractor's work and of the commencement of such work on the Site.

Yours faithfully,


Remy Vandebussche
 Engineer's Assistant

- Cc:**
- Saad Ahmed Al Muhannadi – Employer
 - Daniel Leckel – Engineer
 - Samuel Adair McChesney – Qatar Rail Project Director Sm
 - John Thomas Gillespie, Qatar Rail Contract Administration Manager

ALYSJ		Gold Line Underground		
NAME	DATE	ACTION	INFO.	F-LIP
Craig H			✓	
Ismael G			✓	
Richard M			✓	
M. Sh. Hub			✓	

Enclosed: Qatar Rail Document Review Sheet (1 page)



Response required on or before: N/A

RDA/AQU

Acknowledged by

Qatar Rail
Document Review Sheet (Engineer)

Company Management System

PROJECT:		Gold Line Metro		PROJECT NO.:		M006	
DRS NUMBER:		M006-COM-ERS-00293		REV.:		2	
ORIGINATOR:		ALYSJ JV		DATE:		14-Apr-16	
DOCUMENT NO.:		M006-GDB-COM-SAR-00705		TRANSMITTAL NO. / DATE:		M006-GDB-WTRAN-135298/ 31 March 2016	
DOCUMENT TITLE:		Subcontractor Approval Request for Power Proof Trading and Contracting – Floorings, Coatings, Light Weight Foamed Concrete and Screeding Works (LS)		DISCIPLINE:		Commercials	
DOCUMENT TYPE:				Supplier / Sub Contractor Approval Request			
Comment Code Legend (for individual comments):				Reply Code Legend			
1 = Action required for this issue 3 = to be addressed at DD2				i=incorporated, ii= evaluated and not incorporated for reason stated			
2 = advisory comment				Open/Closed			
No.	Initial	Page/Section	Comment Code	Reviewers Comments (PMC/CPO, CTO)	Reply Code	D&B Contractor/Other Party Reply	Reply Status by Reviewer
1	MMM	General	1	The proposed subcontractor is approved but for Tunnel and Cross Passage associated works. Please define clear scope of works.	i	Please be informed that the proposed Company is intended to be used in Stations and in Subways <u>only</u> , for Floorings, Coatings, Lightweight Foamed Concrete and for Screeding Works as a part of Lump Sum (LS) work element. Note: The Company's scope was also modified in page 3/3 accordingly.	Closed
2	RDA	General	2	Please note that no Sub contractor/ Supplier are allowed to participate to the project until receiving the Engineer's prior written approval as per GCC Sub Clause 4.7.3 <u>corroborated</u> with the Contractor's notice required under GCC Sub clause 4.7.5.	i	In accordance with your comment; Please be informed that this SAR submission is also a notice under Sub-clause 4.7.5 of Contract RTC/040/2012 for Qatar Rail Integrated Railway Project (QIRP) – Gold Line Underground that the intended date of commencement of above mentioned Subcontractor is 28 days from the date of this SAR submission.	Closed
Status Code Legend:							
Document Review Status Code:		A		A. Approved		C. SONO	
				B. Approved with comments		D. NOWC: No Objection with comments	
						E. Fail/Not approved	
						F. Responded/Reviewed/Actioned	
Reviewer's Name		Position		COMMENTS/STATUS RECOMMENDED BY PMC		COMMENTS/STATUS RECOMMENDED BY CTO	
Name:		Paul Hegarty		Name:		NO OBJECTION BY (Where necessary)	
Maung Maw		Sr. Tunneling Er.		Name:		Remy Vanderbussche	
Dan Radu		Contract Administrator		Position:		Project Director	
Position:		Commercial Manager		Position:		Project Director	
Date:		14-Apr-16		Date:		Signature:	
							
						Date: 18. Apr 2016	



Date : 29-04-2019	MATERIAL SUBMITTAL	Submittal No. : FLK-DMS-2019-0477
PROJECT TITLE	FIRE FIGHTING INFRASTRUCTURE AT MAIN CAMPUS	
CONTRACT NO.	EIN/190/3014	
CONTRACTOR	FIRELINK	
DISCIPLINE :	CIVIL	
SUB CONTRACTOR	AL HUDA	

Material Description		
Material Name	Water Leakage Injection Chemical – Power Protect O-95 (including method statement)	
B.O.Q. Ref.	N/A	
Manufacturer:	Power Proof Trading & Contracting	Country of Origin: Qatar
Supplier Name:	Power Proof Trading & Contracting	Agent Name: Power Proof Trading & Contracting
Literature :	YES	Sample: NO
Fully Complies to Specifications: YES	Fully Complies to Design Drawings: YES	Fully Complies to Technical Requirements: YES

In case of Non Compliance to any of the above items contractor to provide details of Non Compliance & Justification. IF not provided the Approval is Not Valid

Contractor Signature:		Stamp:	
-----------------------	--	--------	--

Consultant Discipline Engineer Comments/ Acceptance:

- submit the updated test report for density, reaction time and specific gravity.
- final approval after finished injection with inspection request.
- final approval after finished leakage test successfully.
- strictly follow the method of statements per recommendation by manufacturer.

Approval Status: (XWC)

Name : Priscilla
Signature : [Signature]
Date : 11/5/19

Consultant Project Manager Comments/ Acceptance :

As above.

Approval Status: Approved with Comments

Name : Neeraj
Signature : [Signature]
Date : 12/5/19

QU Comments / Acceptance :

Name : _____
Signature : _____
Date : _____

Approval Status: _____

QU Decision :

<input type="checkbox"/>	APPROVED	Date : _____
<input type="checkbox"/>	APPROVED WITH COMMENTS	Signature: _____
<input type="checkbox"/>	REVISE & RESUBMIT	
<input type="checkbox"/>	NOT APPROVED	



Material Transmittal

Project Name: AL NASSEM TOWER at AL KHARAJ RES/19, LUSAIL **AOT** Project No: AK-RES/19
 Owner: KHALID MOHAMED A AL-ATTEYAH Submittal No.: AS-ANT-MT-MZP-037 Rev.02 A
 Date: 24 / 04 / 2018
 Contractor's Representative Printed Name & Signature: *[Signature]*
 Prepared by: Engr. Mike Belegado Engr. Omar Kassem
 QA/QC Engineer Technical Engineer
 Submitted by: Engr. Mahmoud Omar
 Project Manager

24 APR 2018
 Project Received by: 14:57
 Checked by: Site Supervision
 Time:

Contractor's Representative Printed Name: _____ Signature: _____

Description:

MATERIALS SUBMITTAL OF POWER-PROTECT O-95 FOR INJECTION CHEMICAL @ SWIMMING POOL WATER LEAKAGE

1. COMPLIANCE FOR CONSULTANT COMMENTS

2. SPECIFICATION COMPLIANCE STATEMENT

3. COMPANY PROFILE

4. MATERIAL TECHNICAL SUBMITTAL

POWER-PROTECT O-95

- METHOD OF STATEMENT
- MATERIALS DATA SHEETS
- MATERIALS SAFETY DATA SHEETS
- MATERIALS TEST REPORT
- MATERIALS CONSULTANT APPROVAL

Drawing Ref: _____

Specification Ref: _____

Bill of Quantities Ref: _____

Other Ref: _____

MZP SITE SUPERVISION DEPARTMENT		
Date:		
Discip.	Act.	Info.
P.M.		
Arch.		
Civil		
Mech.		
Elect.		
I.D.		
Planner		
Q.S.		
Head Office		
H.S.E.		
Sec/DC		
M/FILE		
Samples		
S/FILE		
RECEIVED: <i>[Signature]</i>		

[Handwritten] 25/4/18
 25/4/18

Attachment: Literature/Catalogue Test Certificates

Manufacturer/Supplier: From Approved Vendor List Equivalent or Approved

Name of Manufacturer/Supplier: POWER PROOF

Address: PO BOX 7643 Doha, Qatar Local Agent: POWER PROOF
 Agent Tel. No.: +974-55897238 email add: infopowerproofqatar.com Tel No: +974 44883266

Delivery: As Required Country of Origin: QATAR

Availability: Locally Manufactured: Overseas: Mode of Transport: Overland: Air Freight: Sea Freight:

Manufacturer: Production Period: Delivery ex Work: Total Delivery Time: Programme: Latest Date of Orders: Date Material Required: Expected Date on Site:

Approved as noted: Rejected: Additional Info. Required: Others:

Comments:

- STRUCTURALLY WE HAVE NO OBJECTION, SUBJECT TO:

1) COMPLIANCE TO MANUFACTURER'S RECOMMENDATION.

2) APPROVAL OF MTR.

MECH: No technical objection:
 subject to compliance with manufacturer standards & recommendations
 subject to testing & commissioning approval.

Consultant: *[Signature]* Printed Name: _____ Signature: _____ Date: 25.04.18
 Owner: Engineering Department Comments (if applicable): *[Signature]* Printed Name: _____ Signature: _____ Date: 25/04/2018

Printed Name: _____ Signature: _____ Date: _____

Received by: (Contractor) Printed Name: _____ Signature: _____ Date: _____

AL SEAL CONTRACTING & TRADING CO.
 AL NASSEM TOWER PROJECT
 25 APR 2018
 11:15 AM
 RECEIVED
 By: _____



MATERIAL SUBMITTAL



BY: M.S. g: isam

Date : 11-Jun-19 NEW SUBMITTAL RESUBMITTAL
 Project Name : (214) RESIDENTIAL BUILDINGS Submittal No.: HCC-CEG-H31-MAT-CV-017
 Project No. : H31 Rev: 00
 Customer : SHK. ABDULLAH BIN KHALID BIN HAMAD AL THANI ARC CIVIL ELE MECH

DESCRIPTION : WATER TANK INJECTION (POWER-PROTECT T-0-95)
 Drawing Ref.
 Specs. Ref.
 BOQ Ref.
 B.S. Ref.
 Attachment Literature Test Certificates Samples

MANUFACTURER/SUPPLIER
POWER PROOF
 Address: DOHA QATAR
 APPLICATOR M/S. SPECIALIZED FOR INSULATION MATERIALS CO.
 Post Box -DOHA-QATAR Telephone No. +974 44691438 Fax No. +974 44691433

DELIVERY

AVAILABILITY	MODE OF TRANSPORT
Locally Manufactured <input checked="" type="checkbox"/>	Overland <input type="checkbox"/>
CCASG Manufactured <input type="checkbox"/>	Air Freight <input type="checkbox"/>
Overseas <input type="checkbox"/>	Sea Freight <input type="checkbox"/>
MANUFACTURE	PROGRAMME
Production Period <input type="checkbox"/>	Latest Date for Order <input type="checkbox"/>
Delivery Ex. Works <input type="checkbox"/>	Date Material Required on Site <input type="checkbox"/>
Total Delivery Time <input type="checkbox"/>	

The Contractor certifies that the submitted items have been reviewed in detail and are correct and in strict conformance with the Contract documents except as otherwise stated.

CONSULTANT COMMENTS

(1) Approved <input type="checkbox"/>	(4) Revise & Re-submit <input type="checkbox"/>	(7) Mnfctr./ Supplier <input type="checkbox"/>
(2) Approved as Noted <input checked="" type="checkbox"/>	(5) Add'l. Info Required <input type="checkbox"/>	(8) Guarantee Required <input type="checkbox"/>
(3) Rejected <input type="checkbox"/>	(6) Sample/ Test Required <input type="checkbox"/>	(9) Others <input type="checkbox"/>

REMARKS - Final approval of this material shall be after the complete disappearance of water leaks and the concrete surface is totally dry.
 Signature: [Signature] Date: 12 June 2019

CUSTOMER/ENGINEERING DEPARTMENT COMMENTS
 Engr. Nader Ahmed Miri (Project Manager)
 Signature: [Signature] Date: 11-Jun-19

Approval by the Consultant or the Customer shall not relieve the Contractor of his obligation under the Contract, and the Contractor shall be solely responsible for the soundness and correctness of the submitted materials and documents.




For Contractor Use

For Consultant Use

For Customer Use

 دوحة فستيفال سيتي Doha Festival City	Project Name : DOHA FESTIVAL CITY - 3100 MALL MAIN CONTRACT Project No. : 796/09 Form No. : AEB-CSD-P07-F14 Rev. 0 Feb. 2012		
	Client: Bawabat Al Shamal Real Estate Co. WLL (BASREC)	Project Manager: 	Consultant:  المكتب العربي للمهندسين Arab Engineering Bureau

DOCUMENT SUBMITTAL FORM

Submittal Type : <input type="checkbox"/> - Technical Submittals <input type="checkbox"/> - Procedures <input checked="" type="checkbox"/> - Others <input type="checkbox"/> - PQP / ITP <input type="checkbox"/> - Supplier Approval <input type="checkbox"/> - Test Reports <input type="checkbox"/> - Subcon Approval <input type="checkbox"/> - Design Data <input type="checkbox"/> - Method Statement <input type="checkbox"/> - Certificates <input type="checkbox"/> - Schedule / Reports	Submittal No. : 3100-GCC-ALEC-JV-DS-01535 Rev.: 0 Submittal Date : 26/03/17 Expected Response Date : _____ No. of Sets: a.) Hardcopy <u>1 SET</u> Size: <u>A4</u> b.) E-copy Type: _____	
Discipline: <input type="checkbox"/> - Civil / Structural <input type="checkbox"/> - Mechanical <input type="checkbox"/> - Electrical <input checked="" type="checkbox"/> - Architect / Interior Design <input type="checkbox"/> - Others Contractor Others		
Description of Documents: <p style="text-align: center;">MATERIAL DATA SHEETS FOR POWER PROTECT 0-95, POWER PROTECT W-70, INJECTION PACKERS, INJECTION MACHINE, POWER PROTECT MSDS (FOR INFORMATION ONLY)</p>		
Submitted for : <input type="checkbox"/> - Review and Approval <input type="checkbox"/> - Re-Submitted for Review & Approval <input checked="" type="checkbox"/> - For Information & Records		
Prepared by:  K. RAGHUNATH / 26.03.2017 <small>Name / Sign / Date</small>	Reviewed by: (Contractors Proj. Coordinator or QA/QC)  PRAVEEN MANI / 26.03.2017 <small>Name / Sign / Date</small>	Recommended for Submission by: (Contractors PM)  THEUNS ERASMUS / 26.03.2017 <small>Name / Sign / Date</small>
COMMENTS BY THE CONSULTANT (Use Review Comment Sheet When Necessary)		
_____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____		
Submittal Status : <input type="checkbox"/> - Approved <input type="checkbox"/> - Approved as Noted <input type="checkbox"/> - Revise and Resubmit <input type="checkbox"/> - Rejected		
Reviewed by: _____ <small>Name / Signature</small> AEB Engineer <small>Designation Date</small>	Approved by: _____ <small>Name / Signature</small> AEB - LRE or RE <small>Designation Date</small>	Client Rep. Endorsement (when required): _____ <small>Name / Signature</small> <small>Designation Date</small>
<small>Note : Approval or comments made to this submittal does not relieve the Contractor from their responsibilities. The assessment is to review the general conformance and compliance of the submittals to the contract and specification requirements.</small>		



Construction, Completion and Maintenance of General Takaful C-Ring Road Office Building (4B+G+2)



DOCUMENT REVIEW SHEET

PROJECT:		CONSTRUCTION, COMPLETION AND MAINTENANCE OF GENERAL TAKAFUL C-RING ROAD OFFICE BUILDING (4B+G+2)		DATE: 11/02/2017	
TRANSMITTAL NUMBER		C-270/OE/KA/EF/TN/824		DOCUMENT REVISION : 00	
DOCUMENT TITLE		MATERIAL APPROVAL REQUEST FOR OIL - BASED POLYURETHANE FOAM INJECTION RESIN POWER - PROTECT 0 - 95 (WATERPROOFING)			
DISCIPLINE		<input checked="" type="checkbox"/> CIVIL <input type="checkbox"/> ELECTRICAL <input type="checkbox"/> MECHANICAL <input type="checkbox"/> STRUCTURAL <input type="checkbox"/> ARCHITECTURAL <input type="checkbox"/> OTHERS			
SL.NO.	DOCUMENT / DRAWING NO.	REV.NO.	SECTION	COMMENTS BY K&A	RESPONSE BY
1.	OE-CIV-MAT-081	00		<ul style="list-style-type: none"> To follow the manufacturer recommendations. To demonstrate mock up sample at site in presence of manufacturer technician. Subject to site condition. 	



APPROVED
 NOT APPROVED
 APPROVED AS NOTED
 REVISE & RESUBMIT

Reviewed By: Name: <i>BASSEM KARAM</i>	Designation: <i>RE + PM</i>	Signature: <i>BKaram</i>	Date: <i>11.02.2017</i>
---	------------------------------------	------------------------------------	--------------------------------



Project	AL KHARAEJ-RES 20, RESIDENTIAL TOWER @ LUSAIL																											
MATERIAL SUBMITTAL																												
Submittal No.	ALSEAL-AK-MS-ST-0024	Rev	00	X	New submittal	Date	14 APRIL 2018																					
Material Description	MATERIAL SUBMITTAL FOR WATER LEAKAGE INJECTION CHEMICAL - POWER-PROTECT O-95																											
Country of Origin	QATAR	Specified	X	Alternative		Architecture	Structure	Electrical	Mechanical	Other																		
Manufacturer	POWER PROOF	Local Supplier/Agent	POWER PROOF	Details																								
Name	+974 44883266	+974 44883266	MATERIALS SUBMITTAL OF POWER-PROTECT O-95 FOR WATER LEAKAGE INJECTION CHEMICAL 1. COMPANY PROFILE 2. MATERIAL TECHNICAL SUBMITTAL 3. POWER-PROTECT O-95 4. METHOD OF STATEMENT 5. MATERIALS DATA SHEETS 6. MATERIALS SAFETY DATA SHEETS 7. MATERIALS TEST REPORT 8. MATERIALS CONSULTANT APPROVAL 9. COMPLIANCE FOR CONSULTANT COMMENTS 10. SPECIFICATION COMPLIANCE STATEMENT																									
Tel	PO BOX 7643 Doha, Qatar	PO BOX 7643 Doha, Qatar																										
Fax																												
POBox																												
EMAIL																												
BOQ		BS	Specs	Attached: Hard Copy (3Nos.) & Soft Copy (1Nos.)																								
Drawings ref.	<table border="1"> <thead> <tr> <th>Attached</th> <th>Data Sheet</th> <th>Sample</th> <th>Catalogue</th> <th>Profile</th> <th>Calculation</th> <th>Test Results</th> <th>Other</th> </tr> </thead> <tbody> <tr> <td></td> <td>X</td> <td></td> <td>X</td> <td>X</td> <td></td> <td>X</td> <td>X</td> </tr> </tbody> </table>									Attached	Data Sheet	Sample	Catalogue	Profile	Calculation	Test Results	Other		X		X	X		X	X			
Attached	Data Sheet	Sample	Catalogue	Profile	Calculation	Test Results	Other																					
	X		X	X		X	X																					
Prepared by:	QA/QC Dept. Eng. SHAMNAS	Checked & verified by:	Technical Dept. Eng. OMAR KASSEM	Project Manager: Eng. MAHMOUD OMAR																								
Name	Received by Consultant		Signature	Date																								
Consultant comments:																												
<table border="1"> <thead> <tr> <th>Approved</th> <th>Approved With Comments</th> <th>More Information Required</th> <th>Rejected</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Commented by</td> <td>Name</td> <td>Signature</td> <td>Date</td> </tr> <tr> <td>QA/QC</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Project Manager</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>									Approved	Approved With Comments	More Information Required	Rejected	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Commented by	Name	Signature	Date	QA/QC				Project Manager			
Approved	Approved With Comments	More Information Required	Rejected																									
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																									
Commented by	Name	Signature	Date																									
QA/QC																												
Project Manager																												
Received Back By the contractor																												

United Consultants

Architectural, Structural, Mechanical & Electrical Consultants



الشركة الدولية للديكور والمقاولات
International Dec. & Cont. Co.
Tel.: 4440350 - Fax: 4421654 P.O. Box: 4013, Doha, Qatar



الاتحاد للاستشارات

الهندسية

استشاريون-معماريون-إنشائيون-كهرباء-ميكانيكا

MATERIAL SUBMITTAL No .125 Rev 01

Date	: 24/01/2017
Project Title	: Al Rabban Establishment Building (2B+G+M+7) Farij Bin Mahmoud
Contractor	: International Decoration & Contracting Co.
Owner	: Al Rabban Establishment Building (2B+G+M+7) Farij Bin Mahmoud
Sub-Contractor	:
Manufacturer	:
Supplier Name	: Power Proof Trading & Contracting
Literature	: Concrete injection :- - Power Protect O-95 - Power Protect W-70
Contractor Signature	:
Country of Origin:	
Agent Name : Power Proof Trading & Contracting	
Sample:	
Stamp:	
Consultants Comments:	
Architectural:	A B D E F G
Structural: Approved as Notes	A B C D E F G
* final Approval with inspection in site After finish injection	A B C D E F G
Mechanical: * final Approval After finish leakage	A B C D E F G
Electrical:	A B C D E F G
Client's Signature (Acknowledgment & Approval)	Contractor's Receipt
Signature:	Signature:
Date: 26/11/2017	Date:

Received Date: 29-1-17
Received By:
Pass to: Action Note
Civil Engr.
Technical Engr.
Account
Safety
Name & Signature
Date

- A. Approved
- B. Approved as Noted
- C. Revise & Resubmit
- D. Rejected
- E. Additional info. Required
- F. Samples Required
- G. Test Required

Approval by Consultants/Client shall not relieve the Contractor from this obligations under the Contract, the Contractor shall be solely responsible for the soundness and correctness of the submitted materials and/or documents.



SPECIFICATION COMPLIANCE STATEMENT

New Port Project Steering Committee

NPP Port Infrastructure & Buildings Package NPP0057

Contractor : Sinohydro - United Construction Est. - JV

Material: Concrete Crack Injection (Wet Cracks)

NO.	PROPERTIES	QCS SPECIFICATION	TESTED VALUES	COMPLIANCE		REMARKS
				YES	NO	
REFERENCE: QCS 2010 SECTION 5, PART 16.6.6, TABLE 16.6						
1	Description	Polyurethane foaming crack injection resin	Polyurethane foaming crack injection resin	Yes		
2	Elongation at Break	60% (ASTM D638 or Equivalent)	62%	Yes		Check the attached Accos Test Report No: 17084015 Rev-1
3	Modulus of Elasticity	4MPa (DIN53457 or Equivalent)	4.69 Mpa	Yes		Check the attached Accos Test Report No: 17084015/2 Rev-1
4	Shore A Hardness	4MPa (ASTM D2240 or Equivalent)	A/64/1	Yes		Check the attached Accos Test Report No: 17084015/3 Rev-2

