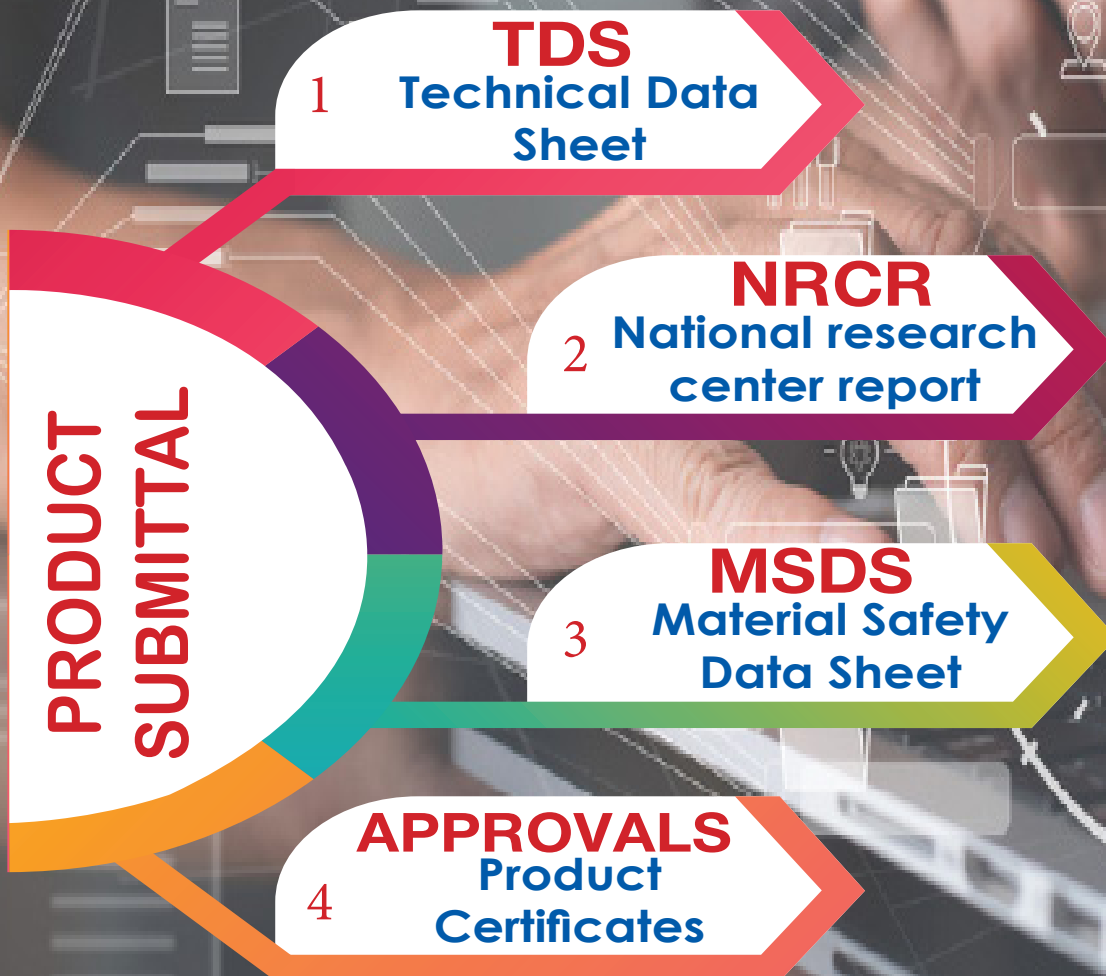


PRODUCT SUBMITTAL

TRI - CURE WB

Water based concrete curing compound



TRI-CURE WB

Water based concrete curing compound.

Description

TRI-CURE WB is a water based curing compound used for spraying into the Surface of concrete To provide an effective and economical method of curing and prevention of Premature water loss in concrete.



Standards complianc

Product certified by (National Research Centre)

ASTM C 309

(type 1 - class A)

Mode of Action

TRI-CURE WB forms a film retains sufficient moisture in the concrete to ensure full hydration of the cement essential for optimum strength development. Membrane-cured concrete is typically harder and exhibits a dust-free surface with a reduced incidence of drying shrinkage cracks.

TRI-CURE WB life cycle,s of the formed film is depended on many variables which included the application of film formation, thickness, UV, concrete porosity and the degree of exposure to weathering.

NOTE

In some application or if needed **Tri-Cure** should be removed by sand blasting or by the mechanical facilities before applying any coating or renders.

Typical uses

TRI-CURE WB is used for :-

Provide a resin membrane on the surface on newly placed concrete to retain moisture for effective curing to take place so it is suitable for all general concreting applications.

Advantages

- Easy of application.
- Reduces labor costs.
- Enables concrete to hydrate effectively.
- Reduces surface shrinkage and cracking.
- No waiting – apply as soon as possible after placing concrete.

Technical Data @°25c

Appearance	Milky color
Density	1.0 ± 0.01 kg/L
Rate of use	6 -8 m2 / L (depend on surface conditions)
Water retention after 72 hrs	0.55 kg / m2
Drying time @ 23 °C	1-1.30 HRS

Directions for use

TRI-CURE WB can be applied by spraying machine or a roller to the surface of the newly placed concrete , care Should be taken to ensure a complete covering .

TRI-CURE WB should be applied as soon as possible after the concrete has been surface finished , but generally within 30 - 60 minutes depending on weather condition.

Package

- **TRI-CURE WB** is available in 5- 20 liter and 200 LIT.

Cleaning

- **TRI-CURE WB** immediately after use the spraying equipment should be cleaned out with Thinner .

Shelf life

- 12 month stored in dry and cool place.

Storage conditions

- Store the material in a cool, covered dry place.
- Temperature should not exceed 35 °C.
- Do not expose the pails to direct sunlight and keep away from all sources of heat.

Sustainability and environmental accountability

- TRI-CHEM's Environmental sustainability is the accountability to conserve natural resources and protect global ecosystems to support health and well-being for this a more positive approach is that accountability guides the actions of power-holders towards more socially and environmentally sustainable results.

Technical support

- For any technical support, please contact TRI-CHEM technical office or representatives.

Health and safety responsibility

- Workplace health and safety is all about sensibly managing risks to protect TRI-CHEM's workers and business.
- ISO 45001 is a systematic health and safety management is characterized by strong leadership involving managers, workers, suppliers, contractors and customers and also health and safety management is an essential part of the movement towards sustainable development.
- Spillages should be washed down immediately.
- PPE in accordance with the health and safety rules should be used during the materials application.
- For irritant effects of the non-cured material, avoid contact with skin and eyes during storage and application.

Institutional Excellence and quality performance

- Institutional excellence in TRI-CHEM refers to achieving high levels of performance, quality and effectiveness in all aspects of TRI-CHEM company's work, it involves a systematic and continuous effort to improve an organization's performance by applying best practices, innovative approaches and evidence-based strategies, institutional excellence spans various areas, such as training , research, innovation, community engagement, governance, management and sustainability, and involves setting high standards, measuring performance against these standards and continuously improving performance to meet or exceed these standards, excellence in TRI-CHEM also includes a culture of continuous improvement and learning, where everyone in the organization is committed to achieving the organization's goals, working together to find solutions to challenges and opportunities, and requires a collaborative approach that includes all stakeholders.
- All products originating from TRI-CHEM facility are manufactured under a quality management system independently certified to conform the requirements of the quality standards (ISO 9001:2015).

Disclaimer

- While TRI-CHEM guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control.
- TRI-CHEM is recommended to verify with TRI-CHEM that the product is suitable for the intended use, and that this data sheet version is the latest one.
- TRI-CHEM may modify it without prior notice and technical characteristics are listed for guidance only.
- Any specification, recommendation or information mentioned in this product data sheet is (to TRI-CHEM's best knowledge) true and reliable.
- However, because TRI-CHEM has no influence on the application method of these products and the care taken, the company cannot accept any liability arising from the use of its products. TRI-CHEM's warranty is therefore limited to the quality of the materials supplied which are guaranteed against defective materials.



Factory & Head Office:

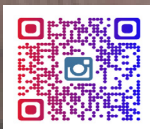
6 October City - 4th Industrial Zone - Al Oula Industrial Zone Plot No.: 14
Tel.: (002) 011 195 48267 - Sales: (002) 010 007 88817 - (002) 011 184 87597
Technical Support Call : (002) 011 184 87880 - Email: sales@trichem-eg.com
www.trichem-eg.com



PRODUCT SUBMITTAL TRI - CURE WB

Water based concrete curing compound

NRCR
2 National research
center report





NATIONAL RESEARCH CENTRE
TAHRIR St. DOKKI, CAIRO, EGYPT
Central Unit For Analysis And
Scientific Services (CUASS)
Material Test Lab.

المركز القومي للبحوث

الدقي . القاهرة . جمهورية مصر العربية

وحدة التحاليل والخدمات العلمية المركزية

معمل اختبار المواد



Test Report

Report No.	MO1 6216 12 2025
Client	Tri-chem Construction chemicals
Authority & date	Request Orders 10/12/2024
Items Tested	TRI CURE WB , according to ASTM C309
Results	The detailed test results are given on the following pages of this report (3 pages).
Report Typist	* Mis. Sara Abdel Reheam – Naglaa Mohamed
Test carried and supervised by	Noha Samir
	* Mis . Fatma El – Zahraa Fikry
	* H.Eng. Ahmed Said
	* Chem. Amr El Shafey
	* Dr. Abou El Ftouh Abd El Hakem
Authorized by	Prof. Dr. Mostafa Zaki Mostafa
	* The Supervisor of ceramics, Polymer and Solid Matter Department.
	* Management Representative and Quality Assurance Manager.
Issue date	1/1/2025
Condition of Test & Issue	The test specimen was conditioned at 23 °C with a humidity of 60 % and the needed calibrations as well as balancing of the all used machines were always done .





NATIONAL RESEARCH CENTRE
TAHRIR St. DOKKI, CAIRO, EGYPT
Central Unit For Analysis And
Scientific Services (CUASS)
Material Test Lab.

المركز القومي للبحوث
الدقى . القاهرة . جمهورية مصر العربية
وحدة التحاليل و الخدمات العلمية المركزية
معمل اختبار المواد



TO/ Tri-chem Construction chemicals

Dear Sir.,

With correspondence to your request dated 10/12/2024 concerning the testing sample of TRI CURE WB , according to ASTM C309 , We would like to inform you that the all following needed tests were carried out which namely :-

- 1- Density test*
- 2- Drying time test*
- 3- Water retention test after 72hrs*

We would like to inform you that the all needed tests were carried out taking into consideration the following conditions :

- 1- On heating Muffle Furnace Type Vecstar was used .*
- 2-Weighing Balance with tolerance+0.0001gwas used in determining the weights*
- 3-Measuring drum of sensitivity ± 0.01 mm was used fo dimensions evaluation .*
- 4- The all used Machinery and the apparatus were calibrated periodically .*

The following table gives the obtained results representing the sample delivered from your company.

Test Results on a sample of TRI CURE WB

according to ASTM C309

Delivered from Tri-chem Construction chemicals

No.	Tests	Results	Limit
1	Density (g/cm ³)	1.007	---
2	Dring time (h min)	3 10	< 4
3	Water retention after 72h (Kg/m ³)	0.53	0.55



شارع التحرير - الدقى - القاهرة

مباشر ١٨١٠
فاكس ١٤٢٤

٣٣٣٧١٦١٥ - ٣٣٣٧١٣٦٢
٣٧٦٠٧٥٤١ - ٣٣٣٥٥١٩٢



E-mail : nrc1302a@yahoo.com



NATIONAL RESEARCH CENTRE
TAHRIR St. DOKKI, CAIRO, EGYPT
Central Unit For Analysis And
Scientifical Services (CUASS)
Material Test Lab.

المركز القومي للبحوث
الدقى . القاهرة . جمهورية مصر العربية
وحدة التحاليل و الخدمات العلمية المركزية
معمل اختبار المواد



This report was given to you representing only the results for testing sample of TRI CURE WB , according to ASTM C309 , Delivered from Tri-chem Construction chemicals, These results and conclusions were given to you without any responsibility on THE CERAMICS, POLYMERS AND SOLID MATTER DEP. of THE MATERIAL TEST LAB in THE NATIONAL RESEARCH CENTRE for pick up the samples to be tested.

**Head of Director of The Board of Central Department
for Scientifical Analysis and Tests**

&

SUPERVISOR OF Material Test Lab

PROF.DR. MOSTAFA ZAKI MOSTAFA

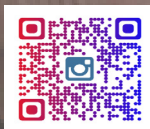


PRODUCT SUBMITTAL TRI - CURE WB

Water based concrete curing compound

3 **MSDS** Material Safety Data Sheet

UNDER REQUEST



PRODUCT SUBMITTAL

TRI - CURE WB

Water based concrete curing compound

4 **APPROVALS**
Product
Certificates

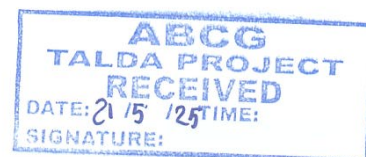


TALDA PROJECT

MATERIAL SUBMITTAL

Ref. No. : MS-0009- Rev.00		Date : 19/05/2025		☒ New Submittal ☐ Resubmittal	
☐ Architectural	☐ Electrical	☐ Civil	☐ Furniture/Equipment	Specs. No.	03300
☒ Structural	☐ Mechanical	☐ Interior Design	☐ Others	BOQ. No.	03300
Description*	Manufacturer	Supplier		No. of Catalogue/Sample	
Curing Compound Material of Concrete (Tri - Cure WB) from Tri-Chem company	Tri-Chem				
1 Data Sheet of "Tri - Cure WB" Water based concrete curing compound of freshly placed concrete.					
2 Test report.					
3 Previous approvals.					
4 Area of Application: Curing Compound Material of Concrete					
Attachment:					
* Description: (Manufacture, Model, Type, Size, Colour, etc.)					
Catalogue ☐ Drawing ☐ Sample ☐ Certificate ☐ Calculation ☒ Document					
Material Engineer/Name & Signature : <i>[Signature]</i>					
Received by:					
Date		Name & Signature of Consultant			
Remarks / Comments:					Code
* Approved to be used (spray or roller) on ^{HZ} concrete surfaces after it's finished within 30-60 minutes * Follow data sheet for using and storage.					
Status A Approved C Not Approved - Revise and resubmit N No Action B Approved as noted D Rejected, do not resubmit					
Contractor		Consultant		Owner's Representative	
Name		Name	A. Shawky	Name	
Signature		Signature		Signature	
Date		Date	24-05-2025	Date	

DISTRIBUTION: ☐ Owner ☒ CONSULTANT ☐ CONTRACTOR ☐ OTHERS



Project: 10th of Ramadan Railway Project – Phase 3

Doc. Reference:	RedCncrt-3L02-CO-CER-QAQC-158-0034
Subject:	QAQC - 3L02 Nativity Cathedral Station - Prequalification of Tri-Chem (EPOXY COATING ANTI DUST - Construction Chemicals) Rev.1
WF Ref.:	016536
Date:	May 20, 2025

The Documents submitted by the contractor are revised against the following:

1. WF-000765: Detailed Design-Architecture Arrangement Specification for Phase 3 - Rev.2 which had been evaluated with code “B” on 30/10/2023.
2. **WF-000651: QAQC - 3L04 Octagon Station - Prequalification of Tri-Chem (Construction Chemicals) - Rev. 1 had been approved for civil works with code “C” on 17/10/2023.**
3. **Refer to previous approval for epoxy and polyurethane paintings of phase1,2 & 3.**

Comments:

1) Scope & Location	<u>Scope:</u> Epoxy Coating Anti Dust <u>Location:</u> as per approved design drawings
2) Company Profile:	Tri-Chem - Construction Chemicals is evaluated before “refer to WF-000651”, the profile includes the following legal documents: ▪ Commercial register issued on 20/2/2011 and valid to 19/2/2026 with a starting capital of 510,000 EGP upgraded to 2M EGP. ▪ Industrial registration certificate issued from (IDA) on 24/1/2023 and valid to 23/1/2028. ▪ Company profile “pages 134- 156”.
3) Product Technical Data Sheet:	The profile includes the following data sheets: ▪ Tri-Tile Grout “pages 6 – 8”. ▪ Tri-Cure WP (Concrete curing compound) “pages 36 – 37”. ▪ Tri-Latex SBR (Concrete Bonding Agent) “pages 65-67”. ▪ Tri-Fix 444 (Ceramic Adhesive) “pages 95-98”. ▪ Tri-Concrete Fiber (plaster, mortar & screed) “pages 106- 108”. ▪ TRI-FIX UW (Tile & Ceramic adhesive for damp and under water conditions) “pages 583 – 584”.

Project: 10th of Ramadan Railway Project – Phase 3

	- Tri - Grout AG (non-Shrinkage Cementitious Grouting Mortar) “pages 611 – 613”. - TRI - HARD TOP (Surface hardening compound for fresh concrete floors) “pages 638 – 641”. - TRI - Seal 307 (polymer cementitious coating) “pages 672 – 675”. - TRI - ZINC P 11 Zinc (Epoxy and Anti-corrosion coating for Iron and steel) “pages 725 – 728”. - Tri - Grout HF (non- shrink cementitious grout) “pages 750 – 752”. - Solvent Free Epoxy System “pages 387 -494” as follows: a) Primer: TRI- PRIME 1010 b) Putty: TRI- POXY PUTTY 1050 c) Top Coat: TRI - FLOOR 1010 d) Epoxy Mortar: TRI- FIX F 330
4) Compliance Sheet:	Not included and shall be submitted with the material submittal (MAS)
5) Product Safety Data Sheet:	Not included and shall be submitted with the material submittal (MAS)
6) Method of Statement:	Not included and shall be submitted with the material submittal (MAS)
7) Qualification Certificates	The profile includes the following: - Production Facility Certification Certificate issued from National organization for potable water & sanitary drainage for (20) products on 21/5/2021 “pages 18-19”. - Recommendation letter issued from Clarity Engineering Center for using materials in fuel stations (No date). - ISO 45001:2018 expired on 14/7/2024. - ISO 9011:2015 expired on 11/7/2024. - ISO14001:2015 expired on 13/7/2024.
8) Job References	Noted.
9) Quality Certificates	It includes test reports issued from NRC for the following materials:



Project: 10th of Ramadan Railway Project – Phase 3

	- Tri-Tile grout on 21/11/2021. - Tri-Cure WP on 13/5/2019. - Tri-Latex SBR on 10/8/2022. - Tri-Fix 444 on 2/4/2019. - Tri-Concrete Fiber on 17/1/2021. - TRI- PRIME 1010 on 17/10/2019. - TRI - FLOOR 1010 on 19/5/2022. - TRI- FIX F 330 on 30/3/2021. - TRI-FIX UW on 19/11/2023. - Tri - Grout AG on 3/2/2021. - TRI - HARD TOP on 3/2/2021. - TRI - Seal 307 on 29/9/2024. - TRI - ZINC P 11 Zinc on 6/11/2024. - Tri - Grout HF. - Other test reports issued from Master-lab (Dr. Ahmed Fathy Abdelaziz) on 1/10/2024.
10) Previous Approvals:	The profile includes approvals for Tri-Tile grout. from: - Systra for Wadi El Natroun Regional Station [construction Chemicals] (Electric Express Train), Raafat Miller consulting, ECG, EHAF, Hydro and others “pages 5 - 32”. - Other approvals for other materials (Ex. Concrete curing compound, Tri-Latex SBR). - A long list of consultant’s approvals is included “227 pages from 157 – 384” but they are unreadable due to of poor resolution”. - Epoxy system approvals from multiple consultants across various projects “pages 399 -
11) Sample:	- Submit samples for the system layers on hard boards with the material submittal (MAS). - Colors as per NAT/Consultant selection.
12) Mockup:	Prepare a mockup onsite before supply to inspect the workmanship.
13) Shop drawings:	Submit the required shop drawings before supply.
<u>Conclusion</u>	



Project: 10th of Ramadan Railway Project – Phase 3

1. **Tri-Chem - Construction Chemicals prequalification is approved; however, the contractor must submit a Material Submittal (MAS) for each intended material, ensuring compliance with the project specifications and B.O.Q.**
2. The contractor shall fulfil the above and the following comments with the material submittal (MAS) for final approval of NAT.
3. **Submit also data sheet and samples for Treatment (10) Poly-urethane coating.**
4. The contractor is obligated to do all the required tests in an approved certified laboratory selected by NAT, witnessed by NAT/Consultant according to projects specification (refer to 20 Quality Control).

Approval Status:

Code "B" Approved with Comments.

Report prepared and reviewed by

Eng. Mohamed Al assal



مخروج اعدادات العاصمة الإدارية الجديدة بالمياه العذبة من نهر النيل

ECG
ENGINEERING CONSULTANTS GROUP S.A.

الإستشاري: جماعة المهندسين الإستشاريين



المالك: هيئة المجتمعات العمرانية الجديدة



المقاول: شركة كونكورد للهندسة والمقاولات

م/م محمود ادريس (Transmittal) ٤١٧٥٥
طلب اعتماد مواد

شركة كونكورد للهندسة والمقاولات Concord for Engineering & Contracting	جماعة المهندسين الإستشاريين إلى الإستشاري :- ECG
--	--

رقم الطلب	3063 - CONC- ECG - MAT -62 - 00	بتاريخ: 8/4/2025
الموضوع	طلب اعتماد مادة (TRI - CURE WB) لمعالجة الخرسانة من التاج شركة (Try-Chem) (PS3)	عدد 41 ورقة (A4) -DATA SHEET اعتمادات سابقة
نوع الاعتماد	☒ إنشائي ☐ معماري ☐ كهرباء ☐ ميكانيكا ☐ مساحة ☐ أخرى	

المقاول	مهندس مقبول
الاسم :	

ملاحظات الإستشاري

* Material is approved as a curing compound.

* Follow project specs & manufacturers Recommendation.

ECG
ENGINEERING CONSULTANTS GROUP S.A.
Technical Office Department H.Q.
B: APPROVED AS NOTED
WORK MAY PROCEED SUBJECT TO INCORPORATION
OF ALL RECOMMENDATIONS

التوقيع:	التاريخ:
----------	----------

يعاد التقديم مرة أخرى بعد تمام الملاحظات	☐	ج	معتمد	☐	ا
الطلب مرفوض	☐	د	يمكن للمقاول ان يستمر بناءا على الملاحظات	☐	ب

اعتماد الإستشاري	م/.....	تاريخ: .../.../...
استلام المقاول	الإسلام بواسطة :	تاريخ: .../.../...

MATERIAL APPROVAL REQUEST



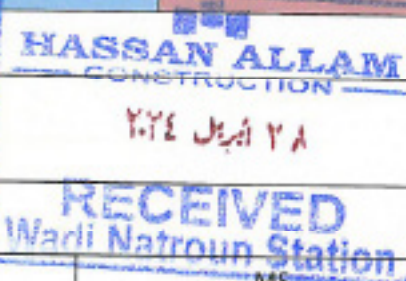
ECG
ENGINEERING CONSULTANTS GROUP S.A.

HASSAN ALLAM
CONSTRUCTION



Location Name		Contractor Company		Designer Company	
WADI ELNATROUN Station		HAC		ECG	
Issued by Contractor	Name	Sign	Date	Designation	
	Eng: Ahmed A. Mohymen	<i>[Signature]</i>	20-04-2024	Technical Manager	
Contractor Reference		HAC-WNS-ECG-MAT-STR-0190-R.00			
Receipt	Name	Sign	Date	Designation	
Reference		Revision			
Received by ER	22 APR 2024	MAR	C1	C2	C3
			DD	MM	YY
			HH	MM	
CODE-1 S15	CODE-1 D	CODE-1 Sp XXX for Kilometer point only	CODE-2 DT	CODE-3 MS	

H.Q.



Description Of Materials	TRI - CURE WB for concrete curing compound		
Location to be Used	Main building		
Sample only	NO	Materials Type	MS
Supplier Name	Tri - Chem	Data Sheet provided	Yes attached
Reference in BoQ		Specification	
Prequalification reference	AS Attached	Test Samples Results	Attached
Reference Photos	NO	Other	Data Sheet
Comments by (ECG):		Comments by (SYSTRA):	
* Material could be accepted in principle as a curing compound noting that :- - Contractor has to follow & respect recommendations mentioned in ECG Specifications in ECG Specifications			

APPROVAL STATUS				
Organisation	Name	Sign	Designation	Date
Contractor HAC	Eng: Ahmed A. Mohymen	<i>[Signature]</i>		
Designer ECG				
SYSTRA				

* Alignment/Bridges: Culvert only

A= Approved; AWC= Approved with Comments; R= Rejected

Engineer: Project Manager & Consultant ECG مجموعة المهندسين الاستشاريين ENGINEERING CONSULTANTS GROUP	Client:  PALM HILLS DEVELOPMENTS	Sub. No. : PHNA-CRC-ECG-MTR-ST-038 Rev. No. : 0 Date : 01/08/2023 Page : 1/1 Attachments : Data Sheet
Contractor:  المجموعة الهندسية للإنشاء والتعمير CRC GROUP MEMBER OF UOBNA GROUP		

PROJECT : Palm Hills New Alamein

MATERIAL SUBMITTAL

From: CRC	To: ECG
Copies To: ☐ EMPLOYER- Palm Hills	
Reference (Specifications - Sec.)	☒ Civil ☐ Architectural ☐ Electrical ☐ Mechanical ☐ Other

Material Description : **Tri CURE WB for Curing Compound , Tri-CHEM Company**

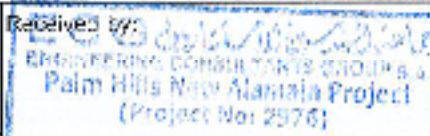
Fixing Location :	Drawing Reference :
BOQ Reference :	Specification Reference :

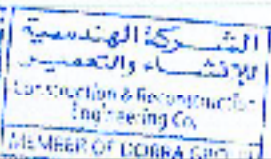
Manufacturer : **Tri-CHEM Company**

Imported ☐	Local ☒
-----------------------------------	---

Technical Data Attached: Yes ☒ No ☐	Sample Attached: Yes ☐ No ☒
--	--

The Material submitted for approval has been checked for conformity with drawings and Specifications and any deviations are noted in the attached compliance sheet, if any.

Structure Coordinate: 	Received by:  ENGINEERING CONSULTANTS GROUP S.A. Palm Hills New Alamein Project (Project No: 2976) RECEIVED Date: 1/8	☐ Code A (Approved) ☒ Code B (Approved as Noted) ☐ Code C (Approved in principle & Resubmit) ☐ Code D (Rejected)
Technical Office Manager: 		

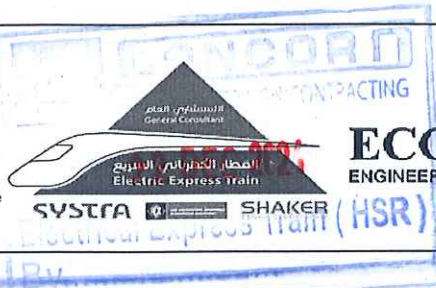
Stamp Corps	  المجموعة الهندسية للإنشاء والتعمير Construction & Reconstruction Engineering Co. MEMBER OF UOBNA GROUP
-------------	--

Engineer's Comments : يتم الالتزام بطريقة الاستخدام الموصى به بالشركة المصنعة والمواصفات الفنية للتراب

Received by Contractor: RECEIVED 02 AUG 2023 CRC	CC To Employer Date:	ENGINEERING CONSULTANTS GROUP S.A. Palm Hills New Alamein Project (Project No: 2976) B: APPROVED AS NOTED MUST BE PROCEED SUBJECT TO INCORPORATION OF CHANGES PROPOSED Date: 2-8-2023
--	-------------------------	---

ST-STRUCTURE	ARCH-ARCHITECTURE	COMP-COMPOSITE	EL-ELECTRICAL
FF-FIRE FIGHTING	PL-PLUMBING	HVAC	OT-OTHER

MATERIAL APPROVAL REQUEST



ECG ENGINEERING CONSULTANTS GROUP S.A.



Location Name		Contractor Company				Designer Company			
SPHINX STATION		CONCORD				ECG.			
Issued by contractor	Name	Sign		Date	Time				
	Essam Hamouda	<u>22/12/2024</u>		22-Dec-2024	11:00				
Contractor Reference		SPH-CONC-ECG-MAT-CVL-0054-REV.00						REV.00	
Received by ER	MAR	C1	C2	C3	DD	MM	YY	HH	mm
		S8							
CODE-1 S1 to S21 Station Reference	CODE-1 D1 to S3 Depot Reference	CODE-1 kp XXX For Kilometer Point only	CODE-2 Work Activity			CODE-3 Sub Element of Activity			
Description of Materials		<u>TRI - CURE WB FOR CONCRET CURING COMPOUND</u>							
Loction to be Used		<u>MAIN BUILDING</u>							
Sample only	No	Materials Type			MS				
Supplier Name	<u>TRI-CHEM</u>	Data Sheet provided			Yes attached				
Reference in BoQ		Specification							
Prequalification reference	<u>AS ATTACHED</u>	Test Samples Results			ATTACHED				
Reference Photos	No	Other			DATA SHEET				
Comments by : ECG					Comments by: SYSTRA				
-refer to attached submittal (HAC-WNS-ECG-MAT-STR-0190-REV.00) -follow all comments from the previous approval.									
INSPECTION RESULT								Approval Status	
Organisation	Name	Sign		Date		A-AWC-R			
Contractor	Essam Hamouda	<u>22/12/2024</u>		22/12/2024		A			
Designer	eng. Mohamed Abdelwahed	<u>30/12/2024</u>		30/12/2024		AWC			
Employers Representative									
NAT.									

MATERIAL APPROVAL REQUEST		 EGC  ENGINEERING CONSULTANTS GROUP S.A.		 HASSAN ALLAM CONSTRUCTION	
Location Name WADI ELNATROUN Station		Contractor Company HAC		Designer Company HAC	
Issued by Contractor	Name Eng: Ahmed A. Mohymen	Sign 	Date 20-04-2024	Designation Technical Manager	
	Contractor Reference HAC-WNS-ECG-MAT-STR-0190-R.00				
Receipt	Name	Sign	Date	Designation	
Reference	Revision				
Received by ER	22 APR 2024		MAR	C1	C2
				C3	DD
				MM	YY
				HH	MM
CODE-1 S 15	CODE-1 D	CODE-1 kp XXX	CODE-2 OT		CODE-3 MS
H.Q.					

Description Of Materials	TRI - CURE WB for concrete curing compound		
Location to be Used	Main building		
Sample only	NO	Materials Type	
Supplier Name	Tri - CHem	Data Sheet provided	Yes attached
Reference in BoQ		Specification	
Prequalification reference	AS Attached	Test Samples Results	Attached
Reference Photos	NO	Other	Data Sheet
Comments by (ECG):		Comments by (SYSTRA):	
* Material could be accepted in principle as a curing compound noting that :- - Contractor has to follow & respect recommendations mentioned in E.C.G. specifications in E.C.G. specifications ENGINEERING CONSULTANTS GROUP S.A. Technical Office Department H.Q.			

E: APPROVED AS NOTED					
APPROVAL STATUS					
Organisation	Name	Sign	Designation	Date	A-AWC-R
Contractor HAC	Eng: Ahmed A. Mohymen				A
Designer ECG					
SYSTRA					

* Alignment/Bridges: Culvert only

A= Approved; AWC= Approved with Comments; R= Rejected

Project Name : VYE 9 CORE & SHELL PK Date : 29-Dec-2024
 Employer : SODIC Submittal No. : VYE9-MS-TECTRA-ST-0008-00
 SR.Project Manager : ENG. Ahmed Moustafa Contract : SOD-004-CC-P31
 Consultant : ZFP From : TECTRA
 Contractor : TECTRA To : ZFP

Material/Equipment Description: TRI-CHEM - CURE WB

Location: VYE9 CORE & SHELL PK

Submittal Category:

- | | | |
|---|--|--|
| ☐ Architecture – (ARCH) | ☒ Civil/Structure – (ST) | ☐ Survey – (SURV) |
| ☐ MEP – (MEP) | ☐ Fire Protection – (FF) | ☐ Plumbing – (PL) |
| ☐ HVAC – (HVAC) | ☐ Electrical – (ELECT) | ☐ Low Current – (E-L.C) |
| ☐ Infrastructure – (INFRA) | ☐ Mobilization – (MOB) | ☐ Landscape – (LS) |
| ☐ Safety – (SAF) | ☐ Elevators – (ELEV) | ☐ General – (GEN) |

Spec. Reference : 03300 B.O.Q Reference : 2.6.19 Quantity: 0
 Manufacturer : TRI-CHEM Date of arrival on site : STOCK
 Model Number : N/A Serial number : N/A
 Country of Origin : EGYPT Certificate of origin : N/A
 Storage Location : STOCK Bill of lading : N/A

Attachments:

☒ Hard Copy (37) Sheets

☐ Soft Copy (CD)

☐ Samples (0)

29 DEC 2024

RECEIVED

Contractor
 Authorized Representative

Note: Please Clarify the Attachments if any.

Action Code Legend:

(A) Approved

(B) Approved as Noted

(C) Revise and Resubmit

(D) Rejected

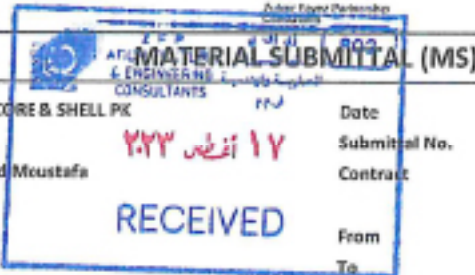
Note:

- Production, supply and/or implementation shall proceed only when action code is A / or B.
- Regarding action code C, resubmittal shall be within the limit set in the contract.
- Review does not relieve the contractor from responsibility of compliance with all requirements of contract documents.
- If rejected please see comments.

Consultant Comments:

* Application, usage, handling & storage should be according to manufacture recommendations & project specs & egyptian standards

Resident Engineer



Project Name	: KARMEL 3 CORE & SHELL PK	Date	: 17-Aug-2023
Employer	: SODIC	Submital No.	: KML3-MS-TECTRA-ST-013-00
Project Manager	: ENG. Ahmed Moustafa	Contract	: 500-004-CC-P11
Consultant	: ZFP	From	: TECTRA
Contractor	: TECTRA	To	: ZFP

Material/Equipment Description : TRI-CHEM - CURE WB

Location: KARMEL 3 CORE & SHELL PK

Submittal Category: ☐ Architecture - (ARCH) ☐ MEP - (MEP) ☐ HVAC - (HVAC) ☐ Infrastructure - (INFRA) ☐ Safety - (SAF)	☒ Civil/Structure - (ST) ☐ Fire Protection - (FP) ☐ Electrical - (ELECT) ☐ Mobilization - (MOB) ☐ Elevators - (ELEV)	☐ Survey - (SURV) ☐ Plumbing - (PL) ☐ Low Current - (E-LC) ☐ Landscape - (LS) ☐ General - (GEN)
--	--	--

Spec. Reference	: 03300	B.O.Q Reference	: N/A	Quantity:	: 0
Manufacturer	: TRI-CHEM	Date of arrival on site	: STOCK		
Model Number	: N/A	Serial number	: N/A		
Country of Origin	: EGYPT	Certificate of origin	: N/A		
Storage Location	: STOCK	Bill of lading	: N/A		

Attachments:

- ☒ Hard Copy (14) Sheets
 ☒ Soft Copy (CD)
 ☐ Samples (0)

Note: Please Clarify the Attachments if any.

Contractor
 Authorized Representative

Action Code Legend:

- (A) Approved
 (B) Approved as Noted
 (C) Revise and Resubmit

Notes:

- Production, supply and/or implementation shall proceed only when action code is A / or B.
- Regarding action code C, resubmittal shall be within the limit set in the contract.
- Review date not relieve the contractor from responsibility of compliance with all requirements of contract documents.
- If rejected please see comments.



Consultant Comments:

* application and use of the material should be according to Manufacturers Recommendations.
 * handling and storage of the material should be according to Manufacturers Recommendations.

Ibrahim Mohamed Barakat

Resident Engineer

ICITY-NC

MATERIAL SUBMITTAL

05 OCT 2024

Project:
Employer:
Project Management:
Supervision Consultant:
Contractor:
Plot:
TO:

ICITY New Core - Construction of 3rd, Podium & Buildings
Mountain View for Development and Real Estate
ACE Project Management Moharram Bahqum
DMA for Design and Engineering Consultancy
Arabtec Egypt for Real Estate Development S.A.E

Transmit/Submittal No. Rev.

1-KVC-P02-ATC-DMA-ACS-M5-0044 0

Date: October 3, 2024

Submitted For ACE & DMA

Approval 1

Information 2

Action is

Approved A

Approved as Noted B

Revise and Resubmit C

Rejected D

WE TRANSMIT HERewith / UNDER SEPARATE COVER, THE DRAWINGS, CALCULATION, ETC. LISTED BELOW.

ITEM NO.	DRW., SPEC. OR BOQ. REF.	QTY	DESCRIPTION	TYPE *	SUBMITTAL CODE *	ACTION CODE **
Signed		1	TRI - CURE WB Water based concrete curing compound for concrete Surface (TRI-Chem)	MD	1	B
			Attach:-			
			Data Sheet			
			Soft Copy & Hard Copy			

CONTRACTOR:

Project Manager Eng. Rany Nabil

DATE: 09/10/2024

RECEIVED BY:

Lussane Zein

DATE: 10-10-2024

COPIES:

Consultant to enter ACTION CODE and REMARKS

Consultant Remarks:

- * Approved with the Following Notes:
- Contractor shall be comply with All Recommendations and instructions in Data Sheet
 - Store as per Spec.
 - Periodic Tests will be Required

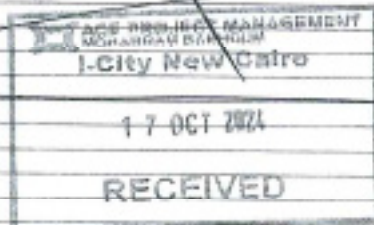
Initials

Date

Consultant Resident Engineer

DATE

ACE PM Remarks:



Initials

Date

Herrif

ACE Project Director

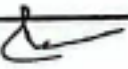
DATE

* TYPE: SD Shop Drawings
SM Sample
GT Guarantee
MD Manufacturer's Data
CT Certificates
OT Others

* SUBMITTAL CODE:
1: Submitted for Approval
2: Submitted for Information

** ACTION CODE:
A: Approved
B: Approved as Noted
C: Revise and Resubmit
D: Rejected

Architecture	Structure	Electrical	Mechanical	Surveying
--------------	-----------	------------	------------	-----------

Main Contractor		Consultant		ARCON Group	
ELSEWEDY ELECTRIC T&D					
Material SUBMITTAL				Ref.: 24/7/24 Date: 27/Jul/24 S.N.: NDH-C-MSF-0008 Rev.: 00	
Subject: Curing				Discipline: ☒ Civil ☐ Arch ☐ Elec ☐ Mech ☐ HVAC	
Project Name: NDH P57 220/66/11 KV Substation				Site Name: NDH P57 220/66/11 KV Substation	
From: EETO		Name: Mohamed Talaat		Signature: 	
To: EPS & EETC		Name:		Signature:	
Attachment:				Total No. of Pages: Dwg No.	
Distribution:		☒ Project Manager ☒ Quality Control		☒ Construction Project Manager ☐ Others (Specify)	
Material Description:		Tri CURE WB (Tri-Chem)			
Spec Code:		BOQ Code:		Date Received:	
Date Received:		Date Returned:		Submittal No. NDH-C-MSF-0008	
Drawing No.		Supplier/Agent		Name:	
Manufacturer		Name:		Phone:	
Information submitted and attached:		☐ As Built Drawings ☐ Warranty ☐ Others (Specify)			
☐ Certificates ☐ Technical Brochure ☐ Specifications		☐ Shop Drawings ☒ Samples ☐ Catalogues and Manuals			
Contractor's Comments:					
Name:		Signature:		Date:	
Consultant/Owner Comments: No objection to approve tri-chem for curing.					
See Attachment ☐					
Status:		☒ A ☒ Revise and submit ☐ B ☐ Reject		☐ C ☐ ☐ D	
Approved as note		Signature:		Date:	
Time:		Signature: 		Date: 29-7-2024	
Project Manager / Site Manager					

The Ark Project

The Ark



AC ATTABY CONSULTANCY
مكتب الاستشارات الهندسية

Hill International

MATERIAL SUBMITTAL FORM – (MAR)

Contract No.: PEG 1194

Package No.: CP04

TO: Eng/Hazem Mohammed

Project manager Hill International

SUBMITTAL NO.: PEG-1194-CP04-CN-RS-MAR-0006

FROM: Eng/Hani Hosni

Projects manager Red Sea Construction

DATE: 2 June 2024

SUBJECT: Concrete Curing Material

REVISION NO: Rev. 00

C/REF.:

MATERIAL SUBMISSION DESCRIPTION

Discipline: Civil

Description of Material: Cure WB (Water Based Concrete Curing Compound)

Manufacturer (Name & Address): Try-Chem

Supplier / Local Agent: Try-Chem

Specification: N.A

BOQ Ref: N.A

Description of Attachments: Data Sheet + Tests Report + Previous Approvals

Description of Samples: N.A

Specification Comparison Sheet N.A

Comparison in case of Alternative Submittal

CONTRACTOR SIGNATURE:

Date:

Hill Receive:

Consultant Receive:

Returned From Consultant:

Contractor Receive:

03 JUN 2024

05 JUN 2024

06 JUN 2024

EMPLOYER'S COMMENTS – (Optional)

Name:

Signature:

Date:

PROJECT MANAGEMENT CONSULTANT'S REVIEW – (Hill International)

Name:

Mohamed Elabbasy

Signature:

Date:

SUPERVISION CONSULTANT'S COMMENTS

① the recommendation for manufacture must be followed
② for horizontal elements only

☐ A- APPROVED

☒ B- APPROVED AS NOTED, WORK MAY

PROCEED – INCORPORATE COMMENTS

☐ C- REVISE / RESUBMIT

☐ D- REJECTED

For & On behalf of (Specify) AC

REVIEWER

DATE

PROJECT MANAGER

DATE

Material Submittal

Project Data

Project Title	New Delta 08 - 220/66/22KV SUBSTATION	Project NO. P199
Project Owner	Egyptian Electrical Transmission Company (EETC)	
Project Main Contractor	MADKOUR PROJECTS	
Project Sub Contractor	ARCON	

Document Data

Document Name	Tri-cure WB		Document Code P199-ARCON-MDK-MS-CIVIL-0018
Document Date	Document Type	Document Pages	Department Res.
12/6/2024	A4		☒ Technical Office ☐ Quality Control

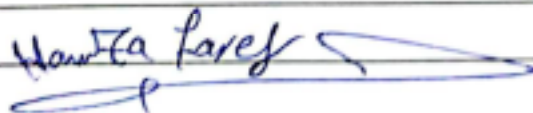
Document Revisions

Revision	Revision Date	Revision Status	Create By		
Rev.0		For approval	Hamza Fares		

Document Type

Submitted for:	☒ Approval	☐ Information	☐ Other
Submittal type:	☐ Technical Submittal	☒ Material Submittal	☐ As Built
	☐ Q.S	☐ Shop Drawing	☐ Invoices
			☐ Others

Review Status

Name:	
Signature:	

Approval Status

Notes:	المعاينة بعد التوريد بالتوقيع Code (B) مراد فاضل
Status	☐ Approved ☒ Approved with comments ☐ Rejected ☐ For information
Signature:	

HASSAN ALLAM



Hydro

Hydra, Enrich, Rendre les Études
أسهل للمهندسين ومطوري البرامج

Project Name

(Phase 2 of 400K Acres Project - Zone G) مشروع مستقبل مصر المرحلة الثانية 400 ألف فدان الشريعة أحمد مشالي

Material Submittal

تقديم مواد / خامات

Submittal No.
رقم التقديم

0223-HAC-HYD-MAR-0135

Rev.
الإصدار

0

Date:
تاريخ التقديم

5-Feb-2024

Division
القسم☐

STR

☐

ARCH

☐

INFRA

☐

ELEC

☐

MECH

☒

MAT

☐

OTH

Attachments
المرفقات☐

Sample

☐

Draws

☐

Catalogues

☒

Data Sheets

☐

Prev. Approval

☐

Compliance Statement

☐

Specs / BOQ

☐

ISO Certificate

☐

Non Toxicity Certificate

☐

Test Certificate

☒

Others

Name of the Product
اسم المادة

TRI-CURE WB

Specific Area of Application
مكان الاستخدام

Zone-G

Specification / Standards / References
المواصفات / المراجعياتManufacturer (Name / Address // Phone)
بيانات المصنع

TRI-CHEM

Country of Origin
بلد التصنيع

Egypt

Supplier / Local Agent (Name / Address // Phone)
بيانات المورد / الوكيل المحلي

TRI-CHEM

Applicator / Installer (Name / Address // Phone)
بيانات مقاول التركيبWe Certify that the above material have been reviewed and considered to be in strict compliance with the contract documents / requirements
يشهد المقاول بأن المواد المقدمة / المقدمة له تم مراجعتها ووجدت مطابقة تماما مع متطلبات العقد ومتطلبات العملContractor's
MGRName
الاسمSignature
التوقيعContractor's
T.O MGRName
الاسمSignature
التوقيع

Received by Consultant

Signature

Date:

Time

Approval Status
حالة الاعتماد☒ Approved☐ Approved As Noted☐ Rejected

لا مانع من الاعتماد على أن يتم الالتزام بالمواصفات الفنية
وتعليمات المصنع والالتزام بسمعة التنفيذ حفاظاً على السمعة
إيماناً بالفرسانة
فوزي غنيم

Consultant Rep.
اسم وتوقيع ممثل الاستشاري

Signature

Date:

Time

Received by Contractor

Signature

Date:

Time

مراجعة وإشعار استشاري / المقاول لا يفي المقاول من مسؤوليته بأنه قد تم حسب المستندات المعتمدة وإشعار من الاستشاري ومطابقة المواصفات والمواد ونظم كافة الهيئات والجهات المعنية
Checking and approval by the consultant / client shall not relieve the contractor of his obligations to perform the work in accordance with the contract documents, updated approvals, requirements of safety and concerned authorities / regulations

The Ark Project

THE ARK DEVELOPMENT

The Ark

JV OF CCC EGYPT FOR CONSTRUCTION & ABNA A SINAI
CONSTRUCTION AND BUILDING



ACTIVE BRAINS CONSULTING GROUP

**ACTIVE
BRAINS**
INNOVATIVE ENGINEERING

HILL
International

MATERIAL SUBMITTAL FORM – (MAR)

Contract No.: PEG 1194

Package No.: CP02

TO: Hazem Mohamed Project Manager Hill International	SUBMITTAL NO.: PEG-1194-CP02-CN-CC-MAR-0009
FROM: Mohamed Seif Project Manager CCC-Abnaa Sina JV	DATE: 30-04-2024
SUBJECT: Water based curing compound	REVISION NO: Rev. 00 C/REF.:

MATERIAL SUBMISSION DESCRIPTION

Discipline: Civil	System: Concrete Works
Sub-Discipline: Civil	Sub-System: Cast in Place
Description of Material: TRI-CURE WB	
Manufacturer: TRICHEM	Supplier / Local Agent: TRICHEM
Specification:	BOQ Ref:
Description of Attachments: Material data sheet	Description of Samples:
Specification Comparison Sheet:	
Comparison in case of Alternative Submittal	

CONTRACTOR SIGNATURE:

Date:

Hill Receive: International

30 APR 2024

Consultant Receive:

DATE: 30 / 4 / 24 TIME: 3:00 p.m.
SIGNATURE:

Returned From Consultant:

08 MAY 2024

Contractor Receive:

12 MAY 2024

EMPLOYER'S COMMENTS – (Optional)

Received

The Ark Project
Received

Name:

Signature:

Date:

PROJECT MANAGEMENT CONSULTANT'S REVIEW - (Hill International)

Name:

Signature:

Date:

SUPERVISION CONSULTANT'S COMMENTS

* The recommendation for manufacture must be follow
* For horizontal element only.

☐ A- APPROVED

☒ B- APPROVED AS NOTED, WORK MAY
PROCEED – INCORPORATE COMMENTS

☐ C- REVISE / RESUBMIT

☐ D- REJECTED

For & On behalf of (ABCG)

REVIEWER

DATE

PROJECT MANAGER

DATE



MATERIAL SUBMITTAL

ZED Towers Contract No: 2736 Reference No. ZED-01B-RED-ECG-STR-MAT-0096-00
BIM 360 No. 2736_RCN-XXX-MS-S-0096-00

To: ECG CC: ORA CC: MACE From: Redcon Construction company

Title : (TRI-CURE WB) Curing Material Date : 31-01-2021

Revision No: 0

Employer: Ora Developers Egypt Engineer: Mace Supervision Consultant: ECG

MATERIAL SUBMISSION DESCRIPTION

Discipline : ☒ S-Structure ☐ A-Architecture ☐ E-Electrical ☐ M-Mechanical
☐ O Others

Description of Material : (TRI-CURE WB) Curing Material

Specification / Control Document Reference : 33000 part 2.7

Manufacturer (Name & Address) : TRICHEM

Supplier / Local Agent :

Description of Attachment : Data sheet & tests.

Description of Samples & Catalog

Specification Comparison Sheet : 33000 part 2.7

Contractors procurement engineer

Name : Alisa Mohamed

Sign :

Contractors QA/QC

Name :

Comments:

☒ Compliant ☐ Rejected

Sign :

Consultant Approval Status

These drawing / materials have been reviewed for design intent only. The review does not relieve the Contractor of his obligations under the contract to construct the Works with the Design Drawings and with Manuals that comply with the specification.

Comments:

* No objection on the use as per specified.
* Contractor to comply with manufacturer instructions for mixing and method of application.
* Contractor to ensure proper storage and expiry dates.
* Use should be under consultant supervision.

Name : Sign&date: 2021

A- Compliant ☐
B- Compliant with comments ☒
C- Not Compliant ☐

PMC Technical Manager (MEP / Construction)

Name : Signature : Date :

Project Director Review

Name : Signature : Date :

شهادة

إلى من يهمه الأمر

تحية طيبة وبعد

نشهد نحن مركز كلاريتي الهندسي أن المواد التالي بيانها من إنتاج شركة تراي كيم والتي تضاف إلى خرسانة الأرضيات لتحسين كفاءتها وأدائها في ظروف التشغيل المختلفة ممتازة وتؤدي الغرض المخصص لكل منها بكفاءة عالية وهي:

- (١) تراي ميتال توب لمقاومة البري والاحتكاك وتحمل الخدمة الشاقة.
 - (٢) تراي فليكس بي يو لحشو الفواصل وهي مقاومة للكيماويات وخاصة السولار والبنزين.
 - (٣) تراي كونكريت فيبر جي وهي ألياف من الفايبر لتقليل شروخ وانكماش الخرسانة.
 - (٤) تراي كيور دبليو بي لمعالجة أسطح الخرسانة لمنع تبخر المياه وبالتالي منع ظهور الشروخ الشعرية.
- وقد تم التوصية بهذه المواد في أرضيات محطات الوقود والأرضيات المختلفة وقد أثبتت كفاءة عالية.
- هذا وتقدم شركة تراي كيم حلول عملية وفعالة لمشاكل الخرسانات وأعمال العزل.
- وهذه شهادة منا بذلك دون أدنى مسؤولية على مكتبنا.

التوقيع/

م/ محمود المرسى محمد
مركز كلاريتي الهندسي

التاريخ : ٢٠٢١/١١/٦

Code: 60-20-147-01

المشروع : إستصلاح أراضي جنوب الضبعة

الموضوع : إعتتماد مواد هدار رقم (٤)

السادة / الشركة الوطنية المصرية

تحية طيبة وبعد،،،

بالإشارة إلى المشروع عاليه والموضوع عاليه، وإعفاءً إلى طلبات الإعتتماد الواردة إلينا بتاريخ ٢٠٢١/١١/٢ بخصوص إعتتماد المواد الآتية:

المادة	النتيجة	ملاحظات
تراي - وتر ستوب (شرايح من P.V.C المرن - ما بين فواصل الحائط والقواعد	مقبوله	عرض لا يقل عن ٢٥ سم وسلك لا يقل عن ٦ مم
تراي - كيور ديلوي (مركب عالي الخودة لمعالجة سطح الخرسانة ذو أساس أكريليك)	مقبوله	
تراي - كوليكريت (ألياف من البولي بروبيلين) خرسانات التطنين في مدخل ومخرج الهدار	مقبوله	يفضل أطولها في حدود ال (١٢) مم
تراي - بيتوحيونت (مادة حشو بأساس التيومين المطاطي معدلة بالبوليمر)	مقبوله	
تراي - بكينج روود (مادة حشو خلفية للفواصل)	مقبوله	
تراي - سيل ٣٠٧ (دهان عزل أسمنتي مطاطي للحوائط وأرضية الهدار)	مقبوله	

نحيط سيادتكم علماً بأنه لا مانع من إعتتماد المواد المقبولة مع ضرورة توريد عينات للمواد المذكورة أعلاه.

مع الإلتزام بالمواصفات الموجودة بالنشرة الفنية للمادة والصادرة من جهة التصنيع وإتباع أصول الصناعة وتعليمات جهاز الإشراف مع الإلتزام بتقديم نتائج إختبارات هذه المواد من معمل معتمد ويجب أن تتطابق نتائج الإختبارات مع المواصفات الفنية المعتمدة للمشروع واشتراطات الكود المصري والمواصفات القياسية المصرية.

وتفضلوا بقبول فائق الاحترام ،،،

المدير الفني للمشروع

م/ علاء خليل

٢٠٢١/١١/٦



مدير المكتب الفني للمشروع

م/ محمد أنور رمضان

م/ أحمد

٢٠٢١/١١/٦



المناظرة / المرحلة :- كلل المنيرو ع

اسم المشروع :- القطاع المائي مشروع المسار النقي لترعة الحمام

$$Y^q / \sim Y^q / Y = Y^q \quad - : \text{poly}(\Delta^{(1)}) \text{ (Euler)}$$

اللقسم: (الإنشائي) / معصري / كهرپاه / ميگانيكا /

• • •

SUB-011

التي :- مكتب فليرو للاستشارات الهندسية

أما في الجاهلية فكانت علة الجهر والسر :-

موقوف، الاضحية

 $\Delta_{\text{eff}} = \frac{\Delta}{1 + \frac{\Delta}{E_0}}$

1

.. [end of page]

TRI-CURE WB

1

1 Data sheet

جميع المستندات المتعلقة بالمواسمات

سہائیس جوڑہ المفلول م /

$$\frac{9}{2.155}$$

46. $\frac{1}{2} \ln 2$

G. jenningsii Collins

Uganda

عليه السلام

1

Page 100 of 100

1001

من اجل

111

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2/2/2008

04-9-20

Engineer: Project Manager & Consultant	ECG ENGINEERING CONSULTANTS GROUP S.A.	Client:	Submittal No	PHNA-UECC-VL-ECG-MAS-ST-0023
Contractor:	UECC CONSTRUCTIONS	 PALM HILLS RESIDENTIALS	Rev. No.	00
		 Building On	Date:	09-09-23
			Page:	1/1

PROJECT: Palm Hills New Alamin

MATERIAL SUBMITTAL

From: UECC

To: E.C.G

Copies To: ☒ EMPLOYER- Palm Hills

CONC REF:

Reference: (ST)

Material Description

1-Tri - Cure WB

Water based concrete curing compound

Fixing Location: Palm Hills New Alamin

Manufacturer:

TRI -Chem Construction Chemicals

Imported ☐ Local ☒

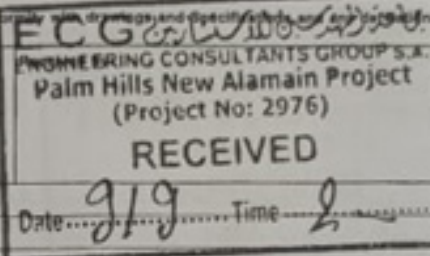
Technical Data Attached: Yes ☒ No ☐ Sample Attached: Yes ☐ No ☒

The Material submitted for approval has been checked for compliance with drawings and specifications, and any deviations are noted in the attached compliance sheet, 'if any'.

Contractor's Project Manager:

Date:

Engineer's Comments:



- ☐ Code A (Approved)
- ☒ Code B (Approved as Noted)
- ☐ Code C (Revise & Resubmit)
- ☐ Code D (DisApproved)

- يتم الالتزام بالمشورة الفنية والمواصفات الفنية للمشروع .

- يتم عمل عينة بالموقع واجراء الاختبار عيطة للاعتماد النهائي .

- يتم تقديم طريقة التنفيذ للاعتماد .

Received by Contractor:

CC To Employer

Date:



Approval shall not release the Contractor of his liabilities under the Contract nor constitute authorization of any change to the Contract Documents.

ST-STRUCTURE

FF-FIRE FIGHTING

ARCH-ARCHITECTURE

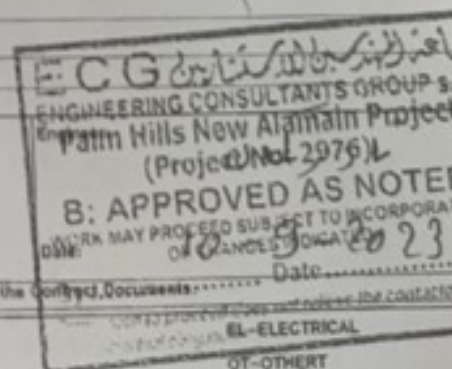
PL-PLUMBING

COMP-COMPOSITE

HVAC

EL-ELECTRICAL

OT-OTHER





Project Name	: KARMEL 3 CORE & SHELL PK	Date	: 17-Aug-2023
Employer	: SODIC	Submittal No.	: (ML3-MS-ILLUM-SI-011-03)
Project Manager	: ENG. Ahmed Moustafa	Contract	: 300-004-CC-P11
Consultant	: ZFP	From	: TECTRA
Contractor	: TECTRA	To	: ZFP

Material/Equipment Description : TRI-CHEM - CURE WB

Location: KARMEL 3 CORE & SHELL PK

Submittal Category:	☐ Architecture - (ARCH) ☐ MEP - (MEP) ☐ HVAC - (HVAC) ☐ Infrastructure - (INFRA) ☐ Safety - (SAF)	☒ Civil/Structure - (ST) ☐ Fire Protection - (FP) ☐ Electrical - (ELECT) ☐ Mobilization - (MOB) ☐ Elevators - (ELEV)	☐ Survey - (SURV) ☐ Plumbing - (PL) ☐ Low Current - (F-L.C) ☐ Landscape - (LS) ☐ General - (GEN)
Spec. Reference	: Q3300	B.O.Q Reference	: N/A
Manufacturer	: TRI-CHEM	Date of arrival on site	: STOCK
Model Number	: N/A	Serial number	: N/A
Country of Origin	: EGYPT	Certificate of origin	: N/A
Storage Location	: STOCK	Bill of lading	: N/A

Attachments:

☒ Hard Copy (14) Sheets
 ☒ Soft Copy (CD)
 ☐ Samples (0)

Note: Please Clarify the Attachments if any.

Contractor Authorized Representative

Action Code Legend:

(A) Approved
 (B) Approved as Noted
 (C) Revise and Resubmit
 (D) Rejected

Notes:

- For revision, specify and/or implementation shall proceed only when action code is A, B or C.
- Regarding action code C, resubmission shall be within the time set in the contract.
- Resubmission shall be the contractor's responsibility of compliance with all requirements of contract documents.
- For reject please see comments.

Consultant Comments:

* application and use of the material should be according to Manufacturers Recommendations.

* handling and storage of the material should be according to Manufacturers Recommendations.

Ibrahim Mohamed Rameh

Resident Engineer

طريقة الترميز للتعريفات العامة والخاصة

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1



Industrial Development Authority
الهيئة العامة للتنمية الصناعية



CONSULT
Engineering & Infrastructure Studies
Prof. Dr. Sameh Abdel-Gawad

**KHARAFI
NATIONAL**



**'Beni Suef Industrial Wastewater Treatment Plant' Kom Abo Rady Industrial Zone.
TRANSMISSION OF DRAWINGS, DOCUMENTS, SAMPLES, ETC**

Owner : Industrial Development Authority
Consultant : Misr Consult For Envir. & Infrastructure Studies Prof. Dr. Sameh Abdel-Gawad
Main Contractor : KHARAFI NATIONAL
Project : 'Beni Suef Industrial Wastewater Treatment Plant' (Kom Abo Rady Industrial Zone)

To - Consultant : Misr Consult For Envir. & Infrastructure Studies Prof. Dr. Sameh Abdel Gawad

CC :

WE ARE SENDING HEREWTH / UNDER SEPARATE COVER, THE DRAWINGS/
DOCUMENTS / SAMPLES LISTED BELOW. (DELETE AS NECESSARY)

QTY	DRWS. OR SPEC. BOQ. REF.	ITEM SEQ NUMBER	DESCRIPTION	-TYPE	CODE	
					Submittal	Action
2 Copy			إعتماد مورد TRI-Grout HF TRI-BITU PROOF W. TRI-CURE-WB. TRI-WATER STOP. TRI- COAT E 450. TRI- LATEX.SBR. TRI-COAT T500 TRI-BOND SBR التاج شركة CHEM	MD 01-A4 1-CD	01	A

MAIN CONTRACTOR SIGNATURE:

DATE : 19 / 06 / 2023

RECEIVED BY:

DATE : _____

OWNER REMARKS

Corrections or comments made relative to submittals during this review do not release the contractor from compliance with the requirements of the drawings and specifications. This check is only for review of general conformance with the design concept of the project and general compliance with the information given in the contract documents.

The subcontractor is responsible for confirming and correlating all quantities and dimensions selecting fabrication processes and techniques of construction;

Coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner.

Consultant : Name : _____

SIGNATURE

DATE : 25 / 6 / 2023

Owner : Name : _____

SIGNATURE

DATE : 1 / 7 / 2023

RECEIVED BY MAIN CONTRACTOR

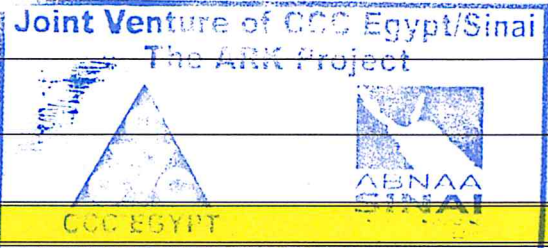
TYPE: SD - Shop drawings
DD - Design drawings
CA - Calculation
SM - Sample
GT - Guarantee
MD - Manufacturer's Data
CT - Certificates
OT - others

SUBMITTAL CODE

1: Submitted for Approval
2: Submitted for information

Action code

A: APPROVED
B: APPROVED AS NOTED
C : NOTED FOR RESUBMIT
D: NOT APPROVED

EMPLOYER: THE ARK DEVELOPMENT 		CONTRACTOR: JV OF CCC EGYPT FOR CONSTRUCTION & ABNA SINA CONSTRUCTION AND BUILDING  		MAIN CONSULTANT: ACTIVE BRAINS CONSULTING GROUP 		PROJECT TITLE: THE ARK BUSINESS DISTRICT (BUILDINGS NOS. 1, 2) PHASE 1A 	
CONTRACT NO. 1243		DOCUMENT NO. FM-PQMP-1243-006-001				REV. NO./DATE 000/07-11-2022	
						PAGE 1 of 1	
MATERIAL APPROVAL REQUEST (MAR)							
MAR DESCRIPTION SECTION A							
Serial No.		1243-MAR-STR-0013		Rev. No. 00		Date: 10-May-2023	
Discipline: Civil		Sub-Discipline: Civil		System: Concrete Work		Sub-System: Cast In Situ Concrete	
Material Description:		Water Based Curing Compound					
Trade Name: TRICHEM				Manufacturer: TRICHEM Supplier: TRICHEM Vendor:			
Specification Requirement Detail:							
Location of use: Sub structure & Substructure & All structural elements.							
Technical detail:							
MAR ATTACHMENTS SECTION B							
Sample		Brochure		Composition/Others			
Yes	No	Yes	No				
☐	☒	☒	☐				
							
Notes/Comments :							
FOR CCC APPROVAL: SECTION C							
Prepared by Proc. Dept.		Eng/Ahmed Ahdy		Sign		Date	
Reviewed by QC. Dept.		Eng/Mohamed Mostafa		Sign		Date 10-5-2023	
Approved by PCM				Sign		Date	
Project Director		Eng/Atef AbdelAziz		Sign		Date 10/5/2023	
Notes							
For Active Brains Approval: Approved with following notes : SECTION D							
Notes ① A Certificate from supplier or approved laboratory is need to ensure that the curing with this material not conflict with the another application (plaster, waterproofing, etc)							
ACTION CODE ② For horizontal element only ③ Follow internal recommendation							
For ARK APPROVAL: ④ storage as specs. ⑤ Periodic tests are need. SECTION D							
Notes							
ACTION CODE							
☐ Work may proceed (A)		☒ Revise and resubmit work may proceed subject to incorporation of changes indicated (B)		☐ Revise and resubmit work may not proceed (C)		☐ For Inf. only - review not required (D)	
DISTRIBUTION : SECTION E							
COPY TO		EMPLOYER ☐		MAIN CONSULTANT ☐		OTHERS ☐	

THE ARK Project	
Active Brains Consulting Group	
A ☐ Approved B ☒ Approved Noted C ☐ Not Approved, Review & Resubmit D ☐ Rejected	
Discipline:	
Reviewer:	Project manager:

Project Name : Business Park Project

Contractor : Badreldin Construction

Date : 16/May/23

MAR No. BP-ZERO-BCON-MAR-0027

Revision : 00

Discipline :

☒ Civil

☐ Arch.

☐ Elec.

☐ Mech.

Material Description: TRI Cure WB for Curing Concrete

Manufacturer: TRI CHEM

Supplier:

Attachments :

☐ Sample

☒ Brochure

☒ Manufacturer Recommendation

☐ Other

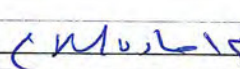
For Approval / Comments :

Prepared by Proc. Dept.:		Sign. :		Date :	
Approved by PM :		Sign. :		Date :	16/5/2023

Bussines Park Project Management Approval / Comments :

☐ Code "A" - Approved ☒ Code B - Approved with Comments ☐ Code "C" - Rejected and Resubmit ☐ Code "D" - Cancelled



Main Contractor Signature : 

Date : 17/5/2023

TO Approval / Comments :

☐ Code "A" - Work may proceed ☒ Code B - Revise and resubmit work may proceed subject to incorporation of changes indicated ☐ Code "C" - Revise and resubmit work may not proceed ☐ Code "D" - For Inf. only - review not required

Notes/Comments:

- approved to be used (Spray or Roller) on concrete surface after its finished within 30-60 minutes.
- follow data sheet for using and storing.

QA/QC Signature :



Date :

15-6-2023

Distribution :

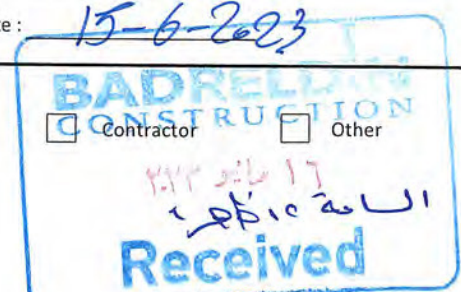
☐ Project Manager

☒ QA/QC/Construction Manager

☐ QA/QC

☒ Contractor

☐ Other



TRANSMITTAL/SUBMITTAL FORM

TRANSMISSION OF DRAWINGS, DOCUMENTS, SAMPLES, ETC.

Contractor: ASASS Construction



PROJECT MANAGEMENT:

PMP Services

Package Title: excusion of skeleton works for 47 buildings at the water Marq

PACKAGE NO. MRQ-23-01

TO: PMP Services

Cc:

WE ARE SENDING HERE WITH THE DRAWING / DOCUMENTS /
SAMPLES LISTED BELOW (DELETE AS NECESSARY)

ITEM	QTY.	Dwgs., Specs. or BOQ Ref.	DOCUMENT / DRAWING NO.	DESCRIPTION	TYPE*	CODE	
						SUBMIT.	ACTION
1		Project Specs	Catalogue	Tri-Chem - Cure WB	MD	1	B

COPIES:3

FOR CONTRACTOR

Date:

7-Oct-2023

Name: Islam Enaba

Position: QC Engineer

Consultant to enter Action Codes and Remarks, and return to Contractor after PM final approval.

REMARKS:

- 1) Follow Manufacturer's Data Sheet for Storage and Application Method.
- 2) Follow Supervision Consultant Instructions.

Correction or comments made relative to submittals during this review DO NOT relieve the contractor from compliance with the requirements of drawings and specifications. This check is only for review of general conformance with design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for confirming and correlating all quantities and dimensions, selecting fabrication processes and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner.

COPIES	For Consultant:	Date:	19-10-2023
	Name: <u>[Signature]</u>	Signature:	
	For PM:	Date:	14-10-2023
	Name: <u>[Signature]</u>	Signature:	
(1) Code to be entered by contractor * TYPE: SD - Shop Drawings GT - Guarantee / Warranty TI - Test / Inspection CA - Calculations (2) Code to be entered by Designer / Consultant SM - Sample MD - Manufacturer's Data CT - Certificates OT - Others			

PMP SERVICES
SITE OFFICE
IN 7-10





أعمال تنفيذ سوق الجملة بمشروع مستقبل مصر

رقم النموذج: MAT-WSM-CIVIL-020	إصدار رقم: 00
المالك: جهاز مستقبل مصر للتنمية المستدامة	الاستشاري: المجموعة الهندسية الاستشارية (ميجمان)
مقدم من: شركة الغرابي للأعمال الهندسية المتكاملة	موجه إلى: مدير المشروعات - م/ محمد سند
اسم المرمول: مكتب الجودة	اسم المستلم:
التوقيع: ١٩٨٨	التوقيع:
بتاريخ: 22/10/2023	بتاريخ:
تعليق بمعرفة المقاول	

Tri-Cure WB / عنوان النموذج					
مستندات التعاقد	بديل	رقم	الوصف / البين	عدد النسخ	مستلم
المصنع / بلد	المراسلات	المقاييس			
TRI-CHEM			Water based concrete curing compound	1	1

مرفق: soft copy + Data sheet + sample
 تم بعد المقاولات المستندات المرفقة تم تسليمها ومراجعتها من حيث تطابقها مع العقد وتضمن مقبولة للاستخدام في هذا المشروع من قبل المقاول
 تعليق بمعرفة الاستشاري

الملاحظات:- لا حائز من الاستحلام مادة المعالجة (Tri-Cure WB)
 على ان يتم الالتزام بالمواعيد الضمنية ونفقات المصنع والالتزام
 ببرنامج التنفيذ حفاظا على المحتوى المائي للخرسانة

معتمد = A ☐ بعد التقديم مرة أخرى = C ☐

الطلب مرفوض = D ☐

معتمد مع ملاحظات. يمكن للعمل ان يستمر بناء على الملاحظات B ☒

إعتماد الاستشاري المختص	المهندس / ٣ / جمال فرحات	التوقيع /	بتاريخ 20 / ١٠ / ٢٠٢٣
إعتماد مدير المشروعات	المهندس / محمد سند	التوقيع /	بتاريخ 20 / 1 / 2023
استلام المقاول	الاستلام بواسطة /	التوقيع /	بتاريخ 20 / 1 / 2023

التوزيع بعد الاعتماد

التوزيع قبل الاعتماد :

No.	المالك	الاستشاري	المالك	المقاول	الإستشاري			
					مدني	معماري	كهرباء	تكييف
					ميكانيكا	تخطيط	Q.S	

**Middle East for Investment and Touristic Development
Seashell Playa North Coast**

PLAYA

شركة الشرق الأوسط
للإستثمار والتطوير



PROCOOR

SHAKER
CO-SALT (MCG GROUP)



GC
GLOBAL GROUP

ECG
EGYPTIAN CONSTRUCTION GROUP

Alchemy

RME-G

MATERIAL APPROVAL REQUEST

To (Consultant): ECG

Issue Date: 19-Dec-2023

Reference: SPL-Z7-GEN00-IC-AR-MAT-000266-A

Rev: A

Discipline: Architectural

MATERIAL DETAILS - CONTRACTOR USE ONLY

Description: TRI - CURE WB From Tri-Chem

Manufacture: Tri-chem

Country of Origin: Egypt

Purpose of Usage: Water based concrete curing compound

Area of Usage: Zone 7

Reference Specs/Drawings: DEVISION 09

Approved Prequalification Ref.: SPL-Z7-GEN00-IC-AR-P55-006040-A

Date: 25-10-2023

Attachments Description :

☐ Catalogue / Manuals

☐ Calculation Sheets

☒ Prequalification

☐ Certificates

☒ Manufacture Data/Specs

☐ Drawings

☐ Sample

☐ Spare Parts List

☒ Material Specification Comparison

☐ Other (Specify)

Attachments Number :

Contractor Engineer Name

Signature

DATE

2023-12-19

CONSULTANT APPROVAL - CONSULTANT USE ONLY

APPROVAL STATUS :

☐ A (Approved)

☐ B (Approved as Noted)

☐ C (Revised and Resubmit)

☐ D (Rejected, Not Required)

GENERAL COMMENTS:

CONSULTANT

ENGINEER REP. NAME

DATE

SIGNATURE

ECG

HAHASSAN ALLAM

المجموعة الهندسية الاستشارية

CEGMAN

Consulting Engineering Group
Dr. Mohamed El Adawy Nassef & Associates



الموقع العام والمنطقة الصناعية
Layout - Infra

أعمال تنفيذ (أعمال الموقع العام والبنية التحتية والطرق بالمنطقة الصناعية)

إصدار رقم: 00

رقم النموذج: MAT/INFRA /CIVIL/0082

المالك: جهاز مستقبل مصر للتنمية المستدامة

المستشاري: المجموعة الهندسية الاستشارية (سيجمان)

مقدم من : شركة حسن علام للإنشاءات	وجه إلى : مدير المشروعات - م/ محمد سند
اسم المرسل: م. / حازم السيد	اسم المستلم :
التوقيع	التوقيع:
بتاريخ: 2023/12/13	بتاريخ:

تملى بمعرفة المقاول

عنوان النموذج/		حسب مستندات التعاقد			بدل
مسلل	عدد النسخ	البيان/ الوصف	المصنع/ بلد الصنع	رمز المواصفات	رمز المقايسة
1	1	Tri-Cure WB مادة معالجة للخرسانة بأساس مائي			

تعهد المقاول: المستندات المرفقة تم تنسيقها ومراجعتها من حيث تطابقها مع العقد وتعتبر مقبولة للاستخدام في هذا المشروع من قبل المقاول

تملى بمعرفة الاستشاري

الملاحظات:-
لدى مايجس التمار مادة المعالجة على أن يتم الالتزام بالمواصفات القياسية رقم القام
بدر المعالجة

C = يعاد التقديم مرة أخرى

A = معتمد

D = الطلب مرفوض

B = معتمد مع ملاحظات. يمكن للعمل ان يستمر بناء على الملاحظات

إعتماد الاستشاري المختص	المهندس /	التوقيع /	بتاريخ 2023 / 12 / 19
إعتماد مدير المشروعات	المهندس / محمد سند	التوقيع /	بتاريخ 2023 / 12 / 19
استلام المقاول	الاستلام بواسطة /	التوقيع /	بتاريخ 2023 / /

التوزيع بعد الاعتماد

التوزيع قبل الاعتماد :

No.	المالك	الاستشاري	المالك	مديني	معماري	كهرباء	تكييف	ميكانيكا	تخطيط	Q.S



MATERIAL SUBMITTAL FORM – (MAR)

Contract No.: PEG 1174

Package No.: CP01

TO HILL International :-

SUBMITTAL NO.: PEG-1174-CP01-CN-JV-MAR-STR-0103

FROM: HA & CCC JV

DATE: 22-01-2024

TITLE: *Tri CureWB:
 (water based concrete curing compound)

REVISION NO: Rev. 00

REF.: MAR-1208H1-STR-0103

MATERIAL SUBMISSION DESCRIPTION

Discipline: STR

Description of Material: *Tri CureWB:
 (water based concrete curing compound)

Manufacturer : Tri-Chem

Supplier / Local Agent: Tri-Chem

Specification: 033000

BOQ Ref: 033000

Description of Attachments: 25 A4

Description of Samples:

Specification Comparison Sheet

Comparison in case of Alternative Submittal

CONTRACTOR SIGNATURE:

Date:

PMC(HILL) RECEIVE:

Consultant
Receive:

PMC(HILL) RECEIVE:

Contractor Receive:

22 JAN 2024

22 JAN 2024

01 FEB 2024

Received
HAC/CCC - JV

EMPLOYER'S COMMENTS – (optional)

Name:

Signature:

Date:

SUPERVISION CONSULTANT'S REVIEW COMMENTS

- check the attached comments sheet

Name: Mustafa Elmaghrabi

Signature:

Date: 31/1/2024

PROJECT MANAGEMENT CONSULTANTS COMMENT (PMC-HILL)

Name:

Signature:

Date:

☐ A-APPROVED ☒ B –APPROVED AS NOTED, WORK MAY
 PROCEED – INCORPORATE COMMENTS

☐ C- REVISE / RESUBMIT ☐ D- REJECTED

For & On behalf of (Specify)

Reviewer

DATE

PROJECT MANAGER

DATE

Marina Towers Plot 1.2.3
 Master



Plot No. 14 - Al Oula Industrial Park
Developers Area - 6th of October City,
Giza - Egypt.

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