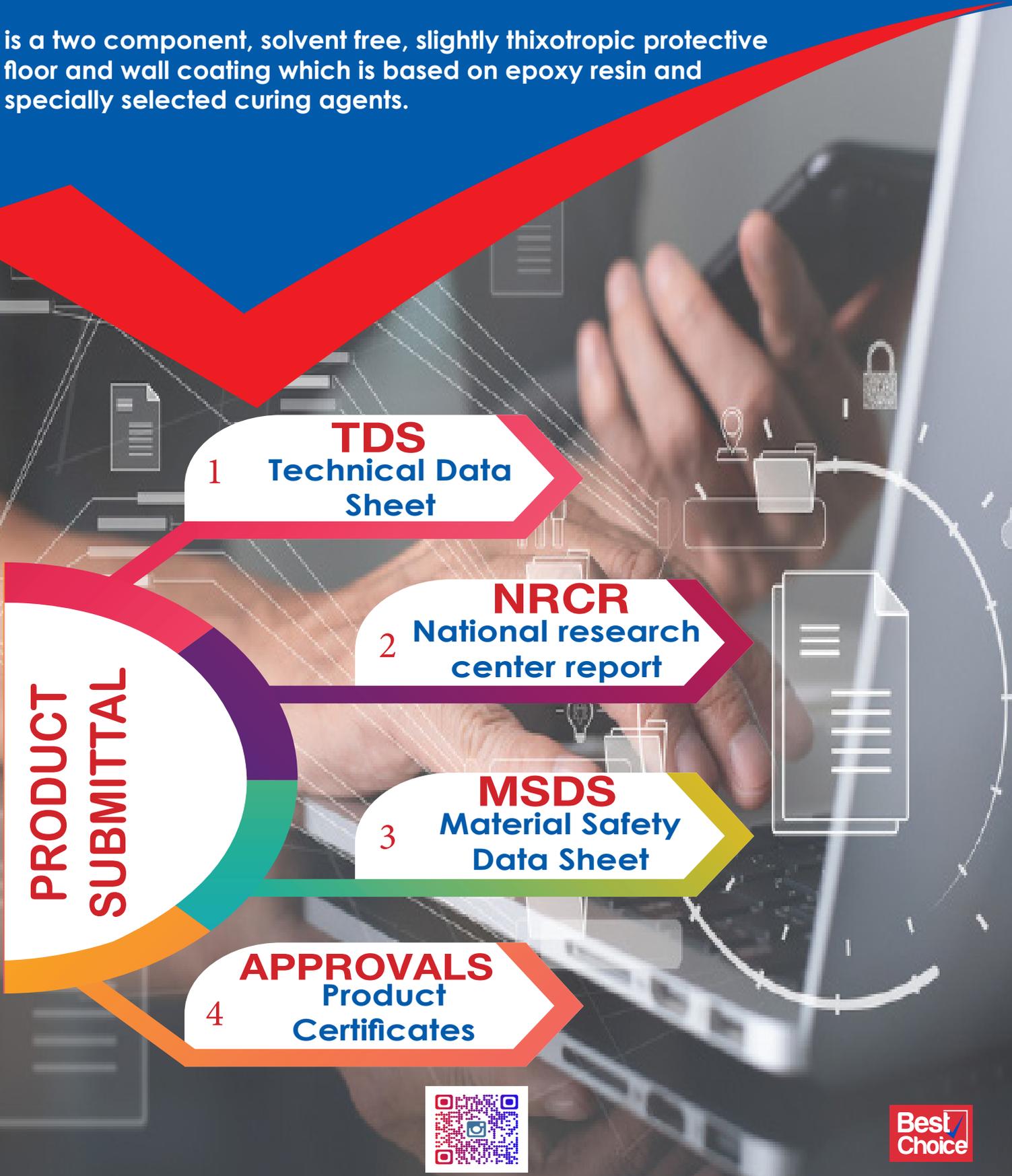


PRODUCT SUBMITTAL

TRI - Floor SF

is a two component, solvent free, slightly thixotropic protective floor and wall coating which is based on epoxy resin and specially selected curing agents.



TRI-FLOOR SF

Multi-purpose solvent-free epoxy coating.

Description

TRI-FLOOR SF is a two component, solvent free, slightly thixotropic protective floor and wall coating which is based on epoxy resin and specially selected curing agents, designs for continuous protection against chemical attack.

It is available in standard colors. Special colors can be produced



Standard compliance

- BS 8204-6 (Type 3)
- ASTM D4541
- ASTM D4060
- ASTM D2240
- ASTM C579
- ASTM D638
- ASTM C580

Typical uses

TRI-FLOOR SF could be used as a slip-resistance, abrasion resistance, chemical resistance, & floor coating in areas such as:

- Food and Soft drinks Factories.
- Chemical and pharmaceutical industries.
- Production areas.
- Warehouses.
- Dairies & dye works.
- Garages.
- Tanks and silos.
- Laundries.
- Hospitals and Medical fields.

Advantages

- Smooth and high build floor coating.
- Solvent free and odorless.
- Excellent adhesion to most substrates.
- Wear & abrasion resistance.
- High mechanical strengths.
- Can be done as Slip resistance.
- Highly Durable.
- High chemical resistance to most common reagents.
- Suitable for the Middle East conditions.

Technical Data @°25c

Color	White, Grey (other required colors)
Solid Content (by weight)	100 %
Density	1.6± 0.1 kg/L
Mixing ratio, A: B by weight	4: 1
Pot life	30 -45 min. (decreases at higher temperatures)
Initial curing time	8 hours
Final curing time	24 hours
Full hardness	7 days
Re-coating time	20 – 24 hours (depending on weather and DFT conditions)
Min. Application temperature	10° C
Compressive strength	54.95 N / mm ² after 7 days
Flexural strength	23.39 N / mm ² after 7 days
tensile strength	15.18 N / mm ² after 7 days
Adhesion strength to concrete ASTM C882	1.198 N / mm ² concrete failure
Adhesion strength to steel ASTM C882	2.44 N / mm ² concrete failure

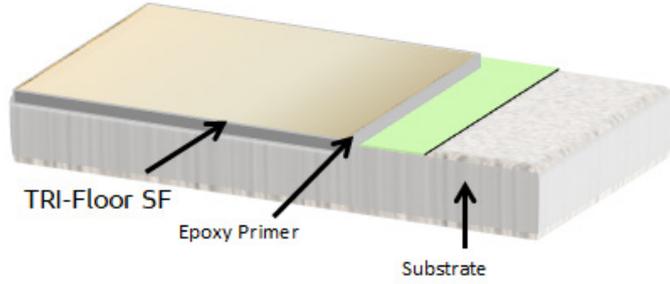
Chemical Resistance .

Chemical Resistance			
Hydro chloride	10 %	30 %	No effect
Sulfuric acid	10 %	30 %	No effect on 10 % - Color changed on 30 %
Acetic acid	10 %		No effect
Sodium hydroxide	50 %		No effect on 10 % - Color changed on 30 %
Potassium hydroxide	50 %		No effect
Sodium chloride	50 %		No effect

Precautions for applications (according to BS 8204-6)

- A minimum of Grade RC25 concrete of BS 8500-2:2006 should be used.
- The surface tensile strength should exceed 1.5 N/mm.
- The surface moisture content should not exceed 4%.
- On the smooth surface (fair-face) pores should be treated using manual or mechanical methodology.
- The equipment used in this application includes brush, roller and spray (depending on thickness requirements).
- The concrete age should be 28 days at least.

Recommended systems for TRI-FLOOR SF



System	Type of system	Tri-Chem's products	Theoretical DFT
System I	High build coating system	TRI-PRIME SF	Depending on thickness
		TRI-FLOOR SF	
System II	High build coating system	TRI-PRIME SB	Depending on thickness
		TRI-FLOOR SF	
System III	Anti-slip coating system	TRI-PRIME SF	Depending on thickness
		TRI-FLOOR SF	
		Filler	
		TRI-FLOOR SF	
System IV	Multi-layer resin screed flooring system	TRI-PRIME SF	Depending on thickness
		TRI-Floor Screed	
		TRI-FLOOR SF	
System V	Special High build coating system (Moisture content 4-8% or Concrete age less than 28 days)	TRI-PRIME WET	Depending on thickness
		TRI-FLOOR SF	
System VI	special High build coating system (UV resistance system)	TRI-PRIME SF	Depending on thickness
		TRI-FLOOR SF	
		TRI-COAT PU	

For more systems and methods of application, contact our technical office

Over coating and waiting :

- Waiting time for the **TRI-PRIME SF** coat before applying **TRI-FLOOR SF**:

Temperature	waiting time
10°C	≈ 24 hours
20 °C	≈ 12 hours
30 °C	≈ 8 hours

- Waiting time for each coat of **TRI-FLOOR SF**:

Temperature	waiting time
10°C	≈ 30 hours
20 °C	≈ 24 hours
30 °C	≈ 16 hours

Directions for use

Surface preparation

- Surface preparation of the base is the most vital aspect of flooring application so the age of concrete is very important factor in this process.
- After surface preparation, all loose debris and dirt should be removed by vacuum equipment.
- It is essential that all surface contamination, e.g., oil, paint and rubber, should be removed and adequate mechanical preparation carried out to achieve a sound surface with cleanly exposed aggregate.
- Any weak or suspect concrete or repair patches should be removed. When mechanical preparation is complete, all dust and debris should be removed by vacuum equipment.

Mixing

- All products should be mixed mechanically.
- Some flow-applied flooring may be mixed using a heavy-duty slow speed drill (200 rpm to 500 rpm) drill fitted with a mixing paddle.

Primer process

- A primer that is appropriate for the nature and moisture content of the substrate should be selected.
- After mixing the components of the primer together, it should be applied as soon as possible, within its working life, to the prepared substrate.
- The primer should be applied evenly with a stiff brush or "lambswool" roller.

Coating application:

- Coatings should be applied by brush or roller in two or more coats.
- The first coat should be allowed to cure until it is just tack-free before the second coat is applied.
- Exceeding this time between as recommended waiting time table in this TDS.

For more details review the Tri-chem's application methodology



Coverage

- 3 m² / kg - 2 Layers at 200 microns D.F.T per layer

Package

- **TRI-FLOOR SF**:- Group (A+B): 5Kg, 15 kg.

Cleaning

- all tools and equipment should be cleaned immediately after use with thinner.

Shelf life

- 24 months in good storage conditions .

Storage conditions

- Store the material in a cool, dry and covered 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@tichem-eg.com

www.trichem-eg.com



PRODUCT SUBMITTAL

TRI - Floor SF

is a two component, solvent free, slightly thixotropic protective floor and wall coating which is based on epoxy resin and specially selected curing agents.

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

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



Test Report

Report No.

MO1 8444 04 2022

Client

Tri-chem Construction chemicals

Authority & date

Request Orders 28/4/2022

Items Tested

TRI - FLOOR SF

Results

The detailed test results are given on the following pages of this report (5 pages) .

Report Typist

*** Mis. Naglaa Mohamed-Sara Abdel Reheam
Noha Samir**

Test carried by

*** 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

19/5/2022

**Condition of Test
& Issue**

The test speciemen 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 .

شارع التحرير - الدقى - القاهرة

مباشر ١٨١٠
فاكس ١٤٢٤

داخلي ٣٣٣٧١٦١٥ - ٣٣٣٧١٣٦٢
٣٧٦٠٧٥٤١ - ٣٣٣٥٥١٩٢

٣٣٣٧١٦١٥ - ٣٣٣٧١٣٦٢
٣٧٦٠٧٥٤١ - ٣٣٣٥٥١٩٢



E-mail : nrc1302a@yahoo.com



NATIONAL RESEARCH CENTRE
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Material Test Lab.

المركز القومي للبحوث

الدقى . القاهرة . جمهورية مصر العربية
وحدة التحليل و الخدمات العلمية المركزية
معمل اختبار المواد



To / Tri-chem Construction chemicals

Dear Sir.,

With correspondence to your request dated 28/4/2022 concerning the testing sample of TRI - FLOOR SF , We would like to inform you that the all following needed tests were carried out which namely:

- 1- Bond strength test to concrete according to ASTM D4541
- 2- Hardness test (Shore D) according to ASTM D2240
- 3- Compressive strength test according to ASTM C579
- 4- Flexural strength test according to ASTM C580
- 5- Tensile strength Test according to ASTM D638

We would like to inform you that the needed test was carried out taking into consideration the following conditions :

- 1- In all mechanical properties GALDABINI – QUASAR 600 – Made In Italy Universal Testing Machine was used This type has a self calibration , zero adjusting and automatic balance , which are done daily before testing or during testing this testing instrument is accompanied by a highly reliable system for evaluating the mechanical properties .
 - 2- Measuring drum of sensitivity ± 0.01 mm was used for dimensions evaluation.
 - 3- On heating a Memmert West Germany oven was used .
 - 4- Weighing Balance with tolerance $+ 0.0001$ g was used in determining the weights .
 - 5- Braive Instruments
 - 6- All used Machineries and apparatuses were calibrated periodically
- The following tables give the obtained results representing the sample delivered from your company .



شارع التحرير - الدقى - القاهرة

مباشر ١٨١٠
فاكس ٣٣٣٨٧٨٠٣

داخلي ١٤٢٤

٣٣٣٧١٦١٥ - ٣٣٣٧١٣٦٢
٣٧٦٠٧٥٤١ - ٣٣٣٥٥١٩٢



E-mail : nrc1302a@yahoo.com



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المركز القومي للبحوث

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وحدة التحليل و الخدمات العلمية المركزية
معامل اختبار المواد



Test results on a sample of TRI - FLOOR SF

Delivered from Tri-chem Construction chemicals

1- Bond strength test to concrete according to ASTM D4541

No.	Bond strength (N/mm ²)	Mean (N/mm ²)
1	1.33	1.38
2	1.49	
3	1.36	
4	1.35	
5	1.35	

2- Hardness test (Shore D) according to ASTM D2240

No.	Hardness (Shore D)	The mean value
1	79	78
2	79	
3	80	
4	80	
5	80	

3- Compressive strength test according to ASTM C579

No.	Compressive strength (N/mm ²)	The mean value (N/mm ²)
1	55.71	54.95
2	56.93	
3	54.26	
4	54.01	
5	53.82	



شارع التحرير - الدقى - القاهرة

٣٣٣٨٧٨٠٣

مباشر
فاكس

١٨١٠
داخلى
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٣٣٣٧١٦١٥ - ١١١٧١٣٦٢
٣٧٦٠٧٥٤١ - ٣٣٣٥٥١٩٢



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المركز القومي للبحوث

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وحدة التحليل و الخدمات العلمية المركزية
معمل اختبار المواد



Test results on a sample of TRI - FLOOR SF

Delivered from Tri-chem Construction chemicals

4- Flexural strength test according to ASTM C580

No.	Flexural strength (N/mm ²)	Mean (N/mm ²)
1	22.13	23.39
2	23.91	
3	23.01	
4	23.89	
5	24.01	

5- Tensile strength Test according to ASTM D638

No.	Tensile strength (N/mm ²)	The mean value (N/mm ²)
1	15.07	15.18
2	15.29	
3	15.11	
4	15.03	
5	15.42	



شارع التحرير - الدقى - القاهرة

مباشر ٣٣٣٨٧٨٠٣
فاكس ١٤٢٤

داخلى ١٨١٠
١٤٢٤

٣٣٣٧١٦١٥ - ٣٣٣٧١٣٦٢
٣٧٦٠٧٥٤١ - ٣٣٣٥٥١٩٢



E-mail : nrc1302a@yahoo.com

PRODUCT SUBMITTAL

TRI - Floor SF

is a two component, solvent free, slightly thixotropic protective floor and wall coating which is based on epoxy resin and specially selected curing agents.

3

MSDS Material Safety Data Sheet

UNDER REQUEST



1- IDENTIFICATION OF THE MATERIAL AND company :

Product Name: **Tri – floor SF part A**
solvent free Epoxy coat

Company:

Trichem company

For construction chemicals

Factory : 6 October city – Developers area-

Aloula industrial park - Plot no.14

www.trichem-eg.com

Telefax : 02-38588109

Mobile : 011-195 48 267

For technical support please

call: 011 184 878 80

2. HAZARDOUS IDENTIFICATION :

Human health Hazards: Harmful by inhalation to eyes and skin. May cause sensitisation by skin contact.

Safety hazards: Not classified flammable but will burn.

Environmental hazards: Toxic to aquatic organisms.

May causes long term adverse in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

Substance Chemical family: Mixture of Epoxy Resin, Pigments and Fillers Reaction production of biphenyl A , epichlorohydrin and hardener.

Common name: liquid Epoxy Paint

CAS number: 25068-38-6

4.FIRST AID MEASURES:

Symptoms and effect: Irritation of the skin and eyes.

First AID – inhalation : Not specific measures.

First AID –skin : DO NOT DELAY, Remove contaminated clothing. Wash skin with water using soap if available. If persistent irritation occurs, obtain medical attention.

First AID – Eye : DO NOT DELAY Flush eye with water. If persistent irritation occurs, obtain medical attention.

First AID –Ingestion : Do not induce vomiting. In the unlikely event of ingestion, obtain medical attention.

Advice to Physicians : If skin sensitization has developed and a causal relationship has been a confirmed, further exposure should not be allowed.

5. FIRE FIGHTING MEASURES :

Specific hazards : Not classified, as flammable. Carbon monoxide may be evolved if incomplete combustion occurs.

Extinguishing media –small fires : Dry chemical powder, carbon dioxide, foam, water spray fog, sand or earth.

Extinguishing media –large fires : Foam, water spray or fog.

Unsuitable extinguishing media : Water in a jet.

Protective equipment : Full protective clothing and self-contained breathing apparatus.

Other information : keep adjacent containers cool by spraying with water.

6. ACCIDENTAL RELEASE MEASURES:

Personal precaution: Avoid contact with eyes and clothing.

Personal Protection: Wear protective clothing specified for normal operation (see section 8)

Environmental precaution: Prevent contamination of soil and water. Prevent from spreading or entering into

drains, ditches or rivers by using sand, earth, or other appropriate barriers. If material enters drain. It should be pumped out into an open vessel. Emergency service may need to be called to assist in this operation.

Clean-up methods –small Absorb or contain liquid with sand, earth or spill control material Shovel up

Spillage: and place in a labeled, sealable container for subsequent safe disposal. Scrub

contaminated surface with detergent solution. Retain washing as contaminated

waste. Put leaking containers in a labeled drums or overdrume.

Clean-up methods –large Transfer to a labeled, seal able container for product recovery or safe

Spillage: disposal. Otherwise treat as for small spillage.

Other Information: See section 13 for information on disposal.

7. HANDLING AND STORAGE:

Handling : Avoid contact with skin, eyes and clothing.

Storage : Keep container tightly closed and dry. Palletized loads should be stacked to a maximum of 4 high.

Storage temperatures : Ambient.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Occupational exposure standards : None established

Respiratory protection : Not normally required. In a confined space wear half mask respirator with organic by vapour cartridge and built-in particulate filter NPF 20.(gas only). If product is applied by spraying, wear self-contained breathing apparatus.

Protection for hands : Nitrile rubber gloves or butyl rubber gloves, gauntlet type.

Eye Protection : Monogoggles.

Protection for body : Standard issue work clothes. Safety shoes or boots – chemical resistant without lace holes.

9. PHYSICAL AND CHEMICAL PROPERTIES :

Physical state : viscous liquid

Colour : Grey, white , blue & different colors

Odour : Slight

Boiling point : > 200 0C

Vapour pressure : <0.01 Pa @ 20

Autoignition : > 300 0C

Solubility in water: Circa 0.009 kg/m3 @ 23 0C

10. STABILITY AND REACTIVITY :

Stability : Stable under normal conditions. Reacts with strong oxidizing agents
Polymerises exothermically with amines, mercaptans and Lewis acids at eminent and above.

Polymerises in contact with caustic soda. Conditions to avoid: Caustic soda can induce a vigorous polymerization at temperatures around 200 oC

Materials to avoid : Strong oxidizing agents. Caustic soda.

Hazardous decomposition Hazardous decomposition products are not expected to form during normal

Product : storage.

11. TOXICOLOGICAL INFORMATION:

Basis for assessment : Information give is bases on Product data.
Acute toxicity –oral : LD 50 > 2000mg/kg
Acute toxicity –dermal : LD 50 > 2000mg/kg
Eye irritation : Irritant
Skin irritation : Irritant
Respiratory irritation : Not irritating
Skin sensitisation : Skin sensitiser
Carcinogenicity : A recent review of the available data by the International Agency for Research on cancer (IARC), has concluded that DGEbPA is not classifiable as to its carcinogenicity.

Mutagenicity:

Mutagenicity : Positive in in vitro, but negative in in vivo assays.

12. ECOLOGICAL INFORMATION :

Basis for assessment : Incomplete ecotoxicological data are available for the substance.
Mobility : Skins in water.
Persistence / degradability : Not readily biodegradable.
Bioaccumulation : Has the potential to bioaccumulate.
Acute toxicity – fish : Toxic, $1 < LC_{50} < 10$ mg/l.
Sewage treatment : Toxic, EC 50 > 10 mg/l, to organisms in sewage treatment plants.

13. DISPOSAL CONSIDERATIONS :

Precautions : See section 8. Refer to section 7 before handling the product or containers.
Waste disposal : Recover or recycle if possible. Otherwise incineration or dispose to licensed disposal contactor.
Product disposal : Recover or recycle if possible. Otherwise incineration or dispose to licensed disposal contactor.
Container disposal : Drain container thoroughly. Rinse three times with C suitable solvent. Treat resins as for product disposal after draining vent in a safe place away from sparks and fire. Send to drums recovery or metal reclaimer.

Local Legislation:

14. TRANSPORT INFORMATION :

Transport Information:

Not dangerous for conveyance under UN, IMO and IATA/ICAO codes.

15. REGULATORY INFORMATION:

Label information
EC label name: Epoxy Paint
EC Classification: Irritant. Dangerous for the environment.
EC Symbols: X, N
EC Risk phrases: R 36/38 Irritating to eyes and skin.
R 43 May causes sensitisation by skin contact.
R 51/53 Toxic to aquatic organisms may causes long-term adverse effects in the aquatic environment
EC Safety phrases: S 24. Avoid contact with skin. S 26 in case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 28 after contact with skin wash plenty of soap and water S 37/39 Wear suitable gloves and eye/face protection.
S 61 Avoid release to the environment. Refer to special instruction/safety data Sheets.

16. OTHER INFORMATION :

Uses and restrictions : Compositions for the building and civil engineer industries e.g. floor compounds,

This information only concerns the above-mentioned product and does not need to be valid if used with other product(s) or in any process. The information is to our best knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.

1- IDENTIFICATION OF THE MATERIAL AND company :

Product Name: **Tri – floor SF Part B**
solvent free Epoxy coat

Company:

Trichem company

For construction chemicals
Factory : 6 October city – Developers area-
Aloula industrial park - Plot no.14
www.trichem-eg.com
Telefax : 02-38588109
Mobile : 011-195 48 267

For technical support please
call: 011 184 878 80

2. HAZARDOUS IDENTIFICATION :

Causes burns.

Harmful by inhalation and if swallowed. May
cause sensitization by skin contact.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

	>= 25.0 - < 50.0		
Benzyl alcohol	%	Xn: R20/22	100-51-6 202-859-9
aminomethyl-3,5,5-		R52/53	
trimethylcyclohexylamine and 4,4'-			
Isopropylidenediphenol, oligomeric			
reaction products with 1-chloro-2,3-			
epoxypropan			

4. FIRST AID MEASURES:

Description of first aid measures

General advice: First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Inhalation: Move person to fresh air. If not breathing, give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask, etc). If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility.

Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing. Seek medical attention if symptoms occur or irritation persists. Wash clothing before reuse. Discard items which cannot be decontaminated, including leather articles such as shoes, belts and watchbands. Suitable emergency safety shower facility should be immediately available.

Eye Contact: Wash immediately and continuously with flowing water for at least 30 minutes. Remove contact lenses after the first 5 minutes and continue washing. Obtain prompt medical consultation, preferably from an ophthalmologist. Suitable emergency eye wash facility should be immediately available.

Ingestion: Do not induce vomiting. Give one cup (8 ounces or 240 ml) of water or milk if available and transport to a medical facility. Do not give anything by mouth unless the person is fully conscious.

Most important symptoms and effects, both acute and delayed

Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

Indication of immediate medical attention and special treatment needed

Maintain adequate ventilation and oxygenation of the patient. Chemical eye burns may require extended irrigation. Obtain prompt consultation, preferably from an ophthalmologist. If burn is present, treat as any thermal burn, after decontamination. Due to irritant properties, swallowing may result in burns/ulceration of mouth, stomach and lower gastrointestinal tract with subsequent stricture. Aspiration of vomitus may cause lung injury. Suggest endotracheal/esophageal control if lavage is done. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE FIGHTING MEASURES :

Suitable extinguishing media

Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam. Alcohol resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective.

Extinguishing Media to Avoid: Do not use direct water stream. May spread fire.

Special hazards arising from the substance or mixture

Hazardous Combustion Products: During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Phenolic compounds. Nitrogen oxides. Carbon monoxide. Carbon dioxide. Ammonia.

Unusual Fire and Explosion Hazards: Container may vent and/or rupture due to fire. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids.

Advice for firefighters

Fire Fighting Procedures: Keep people away. Isolate fire and deny unnecessary entry. Burning liquids may be extinguished by dilution with water. Do not use direct water stream. May spread fire. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage.

Special Protective Equipment for Firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). Avoid contact with this material during fire fighting operations. If contact is likely, change to full chemical resistant fire fighting clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant clothing with self-contained breathing apparatus and fight fire from a remote location. For protective equipment in post-fire or non-fire clean-up situations, refer to the relevant sections.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions, protective equipment and emergency procedures: Evacuate area. Only trained and properly protected personnel must be involved in clean-up operations. Keep upwind of spill. Ventilate area of leak or spill. Refer to Section 7, Handling, for additional precautionary measures. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Environmental precautions: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

Methods and materials for containment and cleaning up: Contain spilled material if possible. Absorb with materials such as: Sand. Collect in suitable and properly labeled containers. See Section 13, Disposal Considerations, for additional information.

7. HANDLING AND STORAGE:

Handling

General Handling: Do not get in eyes, on skin, on clothing. Avoid breathing vapor or mist. Do not swallow. Avoid prolonged or repeated contact with skin. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. See Section 8, EXPOSURE CONTROLS AND

PERSONAL PROTECTION.

Storage

Store in a cool, dry place. Do not store in: Aluminum. Copper.

Shelf life: Use within
24 Months

Storage temperature:
0 - 30 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Personal Protection

Eye/Face Protection: Use chemical goggles. Chemical goggles should be consistent with EN 166 or equivalent. If exposure causes eye discomfort, use a full-face respirator.

Skin Protection: Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.

Hand protection: Use chemical resistant gloves classified under Standard EN374: Protective gloves against chemicals and micro-organisms. Examples of preferred glove barrier materials include: Chlorinated polyethylene. Natural rubber ("latex"). Neoprene. Polyethylene. Ethyl vinyl alcohol laminate ("EVAL"). Examples of acceptable glove barrier materials include: Butyl rubber. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyvinyl alcohol ("PVA"). Polyvinyl chloride ("PVC" or "vinyl"). Viton. When prolonged or frequently repeated contact may occur, a glove with a protection class of 5 or higher (breakthrough time greater than 240 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 3 or higher (breakthrough time greater than 60 minutes according to EN 374) is recommended. NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

Respiratory Protection: Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use an approved respirator. Selection of air-purifying or positive-pressure supplied-air will depend on the specific operation and the potential airborne concentration of the material. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus. Use the following CE approved air-purifying respirator: Organic vapor cartridge with a particulate pre-filter, type AP2.

Ingestion: Avoid ingestion of even very small amounts; do not consume or store food or tobacco in the work area; wash hands and face before smoking or eating.

Engineering Controls

Ventilation: Use engineering controls to maintain airborne level below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

9. PHYSICAL AND CHEMICAL PROPERTIES :

Appearance	
Physical State	Liquid.
Color	Colorless
Odor	Amine.
Odor Threshold	No test data available
Melting Point	Not applicable
Freezing Point	No test data available
Boiling Point (760 mmHg)	> 200 °C Literature .
Flash Point - Closed Cup	> 100 °C Literature
Evaporation Rate (Butyl Acetate = 1)	No test data available
Flammability (solid, gas)	Not applicable to liquids
Flammable Limits In Air	Lower: No test data available

Vapor Pressure	Upper: No test data available < 5 hPa @ 50 °C Literature
Vapor Density (air = 1)	No test data available
Specific Gravity (H ₂ O = 1)	1.02 Calculated
Solubility in water (by weight)	Soluble
Partition coefficient, n-octanol/water (log Pow)	No data available for this product. See Section 12 for individual component data.
Autoignition Temperature	No test data available
Decomposition Temperature	No test data available
Kinematic Viscosity	No test data available
Explosive properties	No Assessment based on structural analysis
Oxidizing properties	No Assessment based on structural analysis

10. STABILITY AND REACTIVITY :

Reactivity

No dangerous reaction known under conditions of normal use.

Chemical stability

Unstable at elevated temperatures.

Possibility of hazardous reactions

Polymerization will not occur.

Conditions to Avoid: Avoid temperatures above 250 °C. Exposure to elevated temperatures can cause product to decompose.

Incompatible Materials: Avoid contact with: Strong acids. Strong oxidizers. Avoid contact with metals such as: Aluminum. Copper. Avoid unintended contact with: Halogenated hydrocarbons.

Hazardous decomposition products

Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Ammonia. Nitrogen oxides. Phenolics.

11. TOXICOLOGICAL INFORMATION:

Acute Toxicity

Ingestion

Low toxicity if swallowed. Swallowing may result in gastrointestinal irritation or ulceration. Swallowing may result in burns of the mouth and throat.

Single dose oral LD₅₀ has not been determined. Estimated. LD₅₀, rat > 1,030 mg/kg

Aspiration hazard

Based on physical properties, not likely to be an aspiration hazard.

Dermal

Prolonged or widespread skin contact may result in absorption of potentially harmful amounts.

The dermal LD₅₀ has not been determined. Estimated. LD₅₀, rabbit 1,257 mg/kg

Inhalation

Excessive exposure may cause irritation to upper respiratory tract (nose and throat). May cause central nervous system depression. Symptoms may include headache, dizziness and drowsiness, progressing to incoordination and unconsciousness. Prolonged excessive exposure may cause serious adverse effects, even death.

The LC₅₀ has not been determined.

Eye damage/eye irritation

May cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness. Chemical burns may occur. Vapor may cause lacrimation (tears).

Skin corrosion/irritation

Brief contact may cause skin burns. Symptoms may include pain, severe local redness and tissue damage.

Sensitization

Skin

A component in this mixture has caused allergic skin reactions in humans. Contains component(s) which have caused allergic skin sensitization in guinea pigs.

Respiratory

No relevant information found.

Repeated Dose Toxicity

For the component(s) tested: In animals, effects have been reported on the following organs: Central nervous system. Muscles. Thymus. Urinary tract. Respiratory tract. Liver.

Chronic Toxicity and Carcinogenicity

The data presented are for the following material Benzyl alcohol. Did not cause cancer in laboratory animals.

Developmental Toxicity

The data presented are for the following material: Benzyl alcohol. Has been toxic to the fetus in laboratory animals at doses toxic to the mother. Contains component(s) which did not cause birth defects in laboratory animals.

Reproductive Toxicity

No relevant data found.

Genetic Toxicology

The data presented are for the following material: Benzyl alcohol. In vitro genetic toxicity studies were negative in some cases and positive in other cases. Contains a component(s) which were negative in in vitro genetic toxicity studies. Contains component(s) which were negative in animal genetic toxicity studies.

12. ECOLOGICAL INFORMATION :

Data for Component: Benzyl alcohol

|| Material is not classified as dangerous to aquatic organisms (LC50/EC50/IC50/LL50/EL50 greater than 100 mg/L in most sensitive species).

Fish Acute & Prolonged Toxicity

|| LC50, Pimephales promelas (fathead minnow), static, 96 h: 460 mg/l

Aquatic Invertebrate Acute Toxicity

|| EC50, Daphnia magna (Water flea), 48 h: 230 mg/l

Aquatic Plant Toxicity

|| EC50, Pseudokirchneriella subcapitata (green algae), static, Growth rate inhibition, 72 h: 770 mg/l

Toxicity to Micro-organisms

|| EC50, OECD 209 Test; activated sludge, Respiration inhibition, 49 h: 2,100 mg/l

Aquatic Invertebrates Chronic Toxicity Value

|| Daphnia magna (Water flea), semi-static test, 72 d, EC50, NOEC: 51 mg/l

Fish Acute & Prolonged Toxicity

|| LL50, rainbow trout (Oncorhynchus mykiss), static test, 96 h: 70.7 mg/l

Aquatic Invertebrate Acute Toxicity

|| EL50, water flea Daphnia magna, static test, 48 h, immobilization: 11.1 mg/l

Aquatic Plant Toxicity

|| EL50, Pseudokirchneriella subcapitata (green algae), static test, Growth inhibition (cell density reduction), 72 h: 79.4 mg/l

Toxicity to Micro-organisms

|| EC50, activated sludge test (OECD 209); activated sludge, aerobic, 3 h: > 1,000 mg/l

13. DISPOSAL CONSIDERATIONS :

This product, when being disposed of in its unused and uncontaminated state should be treated as a hazardous waste according to EC Directive 2008/98/EC. Any disposal practices must be in compliance with all national and provincial laws and any municipal or local by-laws governing hazardous waste. For used, contaminated and residual materials additional evaluations may be required. Do not dump into any sewers, on the ground, or into any body of water.

14. TRANSPORT INFORMATION :

ROAD & RAIL

Proper Shipping Name: ISOPHORONEDIAMINE, MIXTURE

Hazard Class: 8ID Number: UN2289 Packing Group: PG III

Classification: C7

Hazard identification No: 80

Environmental Hazard: No

OCEAN

Proper Shipping Name: ISOPHORONEDIAMINE, MIXTURE

Hazard Class: 8ID Number: UN2289 Packing Group: PG III

AIR

Proper Shipping Name: ISOPHORONEDIAMINE, MIXTURE

Hazard Class: 8ID Number: UN2289 Packing Group: PG III

Cargo Packing Instruction: 856

Passenger Packing Instruction: 852

Environmental Hazard: No

15. REGULATORY INFORMATION:

Classification and User Label Information

Hazard Symbol:

C - Corrosive.

Risk Phrases :

R34 - Causes burns.

R20/22 - Harmful by inhalation and if swallowed. R43 - May cause sensitization by skin contact.

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases :

S24/25 - Avoid contact with skin and eyes.

- In case of contact with eyes, rinse immediately with plenty of water and seek S26 medical advice.

S28 - After contact with skin, wash immediately with plenty of water and soap.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

- In case of accident or if you feel unwell, seek medical advice immediately

S45 (show the label where possible).

- Avoid release to the environment. Refer to special instructions/Safety data S61 sheets.

Contains:

Benzyl alcohol

Reaction products of 3-aminomethyl-3,5,5-trimethylcyclohexylamine and 4,4'-

Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-

epoxypropane

16. OTHER INFORMATION :

Risk-phrases in the Composition section

R20/22

Harmful by inhalation and if swallowed.

R34 Causes burns.
R41 Risk of serious damage to eyes.
R43 May cause sensitization by skin contact.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Revision

Identification Number: 1017067 / A305 / Issue Date 03/24/2014 / Version: 3.0

Most recent revision(s) are noted by the bold, double bars in left-hand margin throughout this document.

Legend

N/A	Not available
W/W	Weight/Weight
OEL	Occupational Exposure Limit
STEL	Short Term Exposure Limit
TWA	Time Weighted Average
ACGIH	American Conference of Governmental Industrial Hygienists, Inc.
DOW IHG	Dow Industrial Hygiene Guideline
WEEL	Workplace Environmental Exposure Level
HAZ_DES	Hazard Designation

Trichem urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs,

PRODUCT SUBMITTAL

TRI - Floor SF

is a two component, solvent free, slightly thixotropic protective floor and wall coating which is based on epoxy resin and specially selected curing agents.

4 **APPROVALS**
Product
Certificates



PROJECT: NCWPP-300	المشروع: محطة تنقية مياه الشرب بأبو عويقل طاقة 500,000 م ³ /يوم
MIS-HAM-WTP-1465	الموضوع: اعتماد مواد ايبوكسية للاستخدام في تشطيبات السلالم والارضيات - انتاج شركة TRI_CHEM
Submission Date:27-10-2024	التاريخ: 2024/10/27

السيد المهندس / السيد الشهابي
مدير المشروع
(اتحاد شركتي حسن علام وميتيتو)

تحية طيبة وبعد،،،

بالإشارة إلى الموضوع عاليه ، و الي خطابكم رقم NCWPP-LTR-HAM-MIS-4377 بتاريخ 2024/10/23
لا مانع من استخدام ماده

1. TRI-PRIME SF (Floor and stairs).
2. TRI-FLOOR SF (Floor and stairs).

علي ان يكون دهان عمير الطلمبات بـ Self Leveling ويتم تحديد اماكن استخدام هذه المواد.

وتفضلوا مع وافر الشكر و الاحترام ،،،

مدير المشروع



ص. السيد المهندس المشرف العام على التنفيذ بالجهاز التنفيذي لمياه الشرب والصرف الصحي

المقر الرئيسي: 72 شارع جامعة الدول العربية-المهندسين

تليفاكس: 77/ 37620366/ 37499521/7-

محمول: 01006044753 - 01068835392

المقر الفرعي: 14 شارع عدن - المهندسين

تليفاكس: 37481757 - 37481275

موقع إلكتروني: www.misrconsult.com

TRANSMITTAL / SUBMITTAL FORM

TRANSMISSION OF DRAWINGS, DOCUMENTS, SAMPLES, ETC.



Transmittal No.	Rev:00
TR-MS-B41-ARCH-046	
Date:	01-07-2019
Attached:	24 (A4)
SUBMITTED FOR	CODE
APPROVAL	1
YOUR INFORMATION	2
ACTION	CODE
APPROVED	A
APPROVED AS NOTED	B
REVISE AND RESUBMIT	C
Rejected	D
FOR INFORMATION	R

PROJECT :- BLOCK 41 - Sodic Offices Buildings

CONTRACTOR :- Gama Construction 'GAMA'

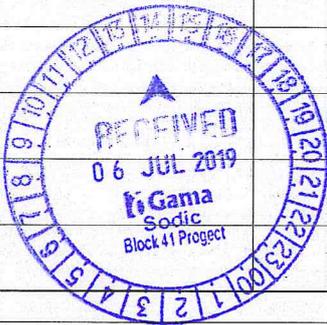
To: EHAFA

Cc.

Subject: Epoxy works materials - TRI CHEM PRODUS

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

ITEM	QTY.	Ref.			DESCRIPTION	TYPE	CODE	
		Dos No.	Specs.	BOQ			SUBMIT	ACTION
1					Tri chem company profile	MD	1	B
2					TRI-PRIME SF			B
3					TRI-FLOOR SF			B
4					TRI-FLOOR SCREED			B
5					TRI-FLEX PU			B



Signature: *Ahmed Abdel-hady*



Consultant to enter Action Codes and Remarks, and return to Contractor

REMARKS:

- contractor to follow the project specs.
- storage conditions to be considered.
- packing rod is out of approval.

EHAFA
CONSULTING ENGINEERS
Internal Distribution

Project:		Date:	
Name	Initials	Copy	Signature
EHAFA			

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 :03	
	FOR Supervision / CONSULTANT: <i>[Signature]</i> DATE: 6-7-19
(1) Code to be entered by contractor	* TYPE: SD - Shop Drawings GT - Guarantee / Warrantee TI - Test / Inspection CA - Calculations
(2) Code to be entered by Designer / Consultant	SM - Sample MD - Manufacturer's Data CT - Certificates OT - Others

Material Submittal Form

تاريخ: ٢٠١٩ / ٨ / ٢٥		العدد: ١٠٠٠	
اسم المشروع: مولتي ذوى يد حديدات الاحامه بالقاهره		المالك: وزارة يد خليه	
الاستشاري: عمار مصر للاستشارات الهندسيه واداره المقامات		المقاول: شركة المفتح للمقاولات	
التفاصيل			
Tri-Prime SF		Tri-Coat PU	
Tri-Floor SF		Tri-sealing Tape	
Tri-Flex PU			
نوع المادة	المقول ✓	المالك ✓	العدد ٠
مدير المشروع للمقاول			
مراجعة الاستشاري:			
<p>لا مانع من استخدام كده المفتح مع محل بيع الاخشاب</p>			
تاريخ المراجعة			
 <p>AMC عمار مصر للاستشارات الهندسيه وإدارة المشروعات مشروع مستشفى القاهيل بمدينة العاشر من رمضان المهندس الاستشاري</p>		المقاول:	
مقر المالك:		التاريخ:	
التوقيع:		التوقيع:	



كيمونكس مصر
للإستشارات

iwsp
International Water & Wastewater Specialists



METITO



برنامج تحسين خدمات مياه الشرب والصرف الصحي (iwsp)
أعمال الإشراف على التنفيذ لعملية أعاده التأهيل وتوسعات محطه
تنقيه مياه المحله القديمه بمدينة المحله الكبرى-محافظة الغربية

تاريخ بدء الاعمال: / /
تاريخ نهو الاعمال: / /

شركه مياه الشرب والصرف الصحي-محافظة الغربية
شركه كيمونكس مصر للإستشارات

المالك:
الاستشاري:

التاريخ: / /

نموذج اعتماد عينة

رقم النموذج: ()

وصف العينه:

عاده ترائى - تلور اس اف (ترائى كم)
للزوم دهام - نصف جران البقارل وقرانات لشم

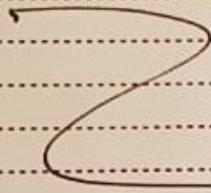
المورد/الشركه المنتجه /

رقم التليفون:

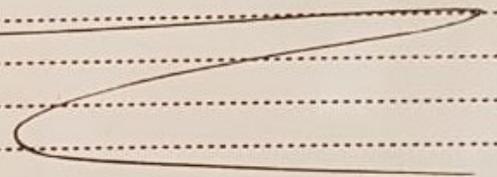
العنوان:

المواصفه بكراسه المواصفات

البند بالمقاييسه



دهام للزوم
جران البقارل وقرانات لشم



شركه ماتيتو

الاسم: م/

التوقيع:

شركه سبكترا

الاسم: م/

التوقيع:

مهندس الموقع (المقاول)

الاسم: م/

التوقيع:

ملاحظات الاستشاري

لمد حاليه على انه مع الالتزام بمعايير المصمم والمالك
الاصحى وكيف لكسب الحصول على ارضه لشم
وحرارة الشب مرفوض ()

معتد

مدير المشروع (الاستشاري)

الاسم: م/

التوقيع:

مهندس (الاستشاري)

الاسم: م/

التوقيع:

مقر المشروع: محطة مياه المحله القديمه ت : ٠٤٠-٢٢٢٩٦٢٢٠ ، فاكس : ٠٤٠٢٢٢٩٦٢٢٣

e-mail: Chemonics.old.mahalla.project@gmail.com

chemegy@chemonicsegypt.com

SUBMITTAL FORM- MATERIAL/EQUIPMENT

Project: Eggplant Innovation Building

Date: 15.2.2022

Site Address: 10th of Ramadan City

REF No: Arch - 23

A1- IDENTIFICATION OF SUBMITTAL

1- Item	Floor & Walls Epoxy - Tai-Chem
2- Trade	Architectural
3- Location	All Over the Plan
4- Drawing No and / or detail reference	
5- Item No in BOQ	Section 098723-Resinous Flooring & Section 099199-Painting
6- Specification Reference	
7- Budget/ Unit Price	

A2- TECHNICAL SPECIFICATION - DESCRIPTION & SIZE

Epoxy coat Flooring type (E01) for general use

Epoxy coat Flooring type (EP02) for escape stairs

Epoxy coat Flooring anti chemical type (EP01) for labs

Walls type (PT02) Light gray anti chemical epoxy for labs

Submitted by Contractor's Representative:

Date: 15.1.2022

Signature: M. Shaibou

Submit to Consultant Sample

Shop Drawing

Data Sheet

B- CONSULTANT DECISION

Date: _____

Signature: _____

Approved

Approved as noted

Not Approved

Comments: *for floors kindly Provide us with sample on site from (TR-747)*

for walls kindly provide us with sample on site from (TR-747)

Return To: Employer

Project Manager

Contractor

C- EMPLOYER DECISION

Date: _____

Signature: _____

Comments: _____

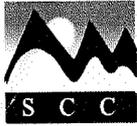
Return To: Consultant

Project Manager

Contractor

Processed By
Miron Shaibou
Project Manager
Abd El-Wahab Hassan

Position / Responsibility
Project coordinator
Signature
M. Shaibou



Sphinx Contracting Co.
شركة سفنكس للمقاولات

ELSEWEDY
ELECTRIC
T & D



SUBMITTAL

10-Jul-21

SCC-SDC-MAS-C-013-00

Subject:

TRI-FLOOR SF

Discipline: Civil Arch

Project Name:

AL EMTDAD OF EL SADAT CITY
220/22/22 KV AIS SUBSTATION

Elec Mech HVAC

From: SCC

Name: Ahmed Fouad

Signature:

Spec Ref:

To: EET&D

Name: Essam Rizk

Signature:

Attachment: Datasheet

Total No. of Pages: Dwg No.

Distribution:

Project Manager Construction Project Manager Project Coordinator
Quality Control Others (Specify) Others (Specify)

Material Description:

Epoxy Resin solvent free Floor and wall Coating

Spec Code:

BOQ Code:

Date Received:

Date Returned:

Drawing No.

Submittal No.

Manufacturer

TRI-CHEM

Supplier/Agent

Phone:

E-mail:

Phone:

Phone:

Information submitted and attached:

Certificates Shop Drawings As Built Drawings
Technical Brochure Samples Warranty
Specifications Catalogues and Manuals Others (Data Sheet)

Contract's Comments:

Name :

Signature:

Date:

Consultant/Owner Comments

See Attachment

Status:

Approved A Revise and submit C
Approved as note B Reject D

Name :

Signature:

Date:

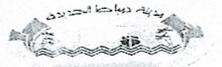
Project Manger /Site Manager

Signature:

Date:



RECEIVED

IDG
Integrated Development Groupهيئة المجتمعات العمرانية الجديدة
جهاز مدينة المنصورة الجديدة

اسم المشروع: جامعة المنصورة للعلوم والتكنولوجيا بالمنصورة الجديدة (المرحلة الأولى)

طلب اعتماد مواد Materials Submittal

رقم طلب الاعتماد: MATR-AC-UNI-B5-047
رقم الطلب السابق: تاريخ الطلب السابق: ٢٠٢١/٠٣/٠٢سبب تقدم طلب الاعتماد: من أجل معلومات من أجل الملاحظات والتعليقات من أجل الاعتماد الفرع: مدني معماري إنشائي ميكانيكا كهرباء اخرى المرفقات: مخططات مخرجات عينات شهادات معلومات تقنية حسابات

جدول المواد / المعدات: ملاحظة: يرجى إضافة مرفقات في حالة وجود بنود أكثر من الفراغ المتاح.

مسلسل	الاسم / الرقم / الوصف	البند	المصدر	المصنع / المورد	مرجع المواصفات	المراجع القياسية	مكان الاستخدام	حالة الاعتماد
١	مقترح ١- Mapefloor FC 200 ME	3-6-1	مابي	مؤسسة الاهرام للبناء والتشييد				
٢	مقترح ٢- Trifloor SF		Trichem					
٣	مقترح ٣- sika floor 264		sika					
٤	مقترح ٤- xtech epoxy seal FLR100		Xcalibur	NCC calibur				
٥	مقترح ٥- kemapoxy 151		CMB	المؤسسة المصرية للمقاولات				
٦	مقترح ٦- kemfloor E43		prokem	محمد عبدالمجيد لمقاولات العزل				
٧	مقترح ٧- master Top 1200		Basf					

ملاحظات المقاول: نشهد أن طلب الاعتماد المقدم أعلاه مطابق تماماً لمخططات ومواصفات العقد، ما لم يتم ذكر خلاف ذلك، كما هو موضح أدناه.

استثناء:

مدير المشروع (المقاول) /

اسم المهندس /

التوقيع مشروع

التاريخ

توصيات الاستشاري:

الموافقة على اعتماد المواد المقدمة أعلاه لا يعفي المقاول من مسؤولياته حسب العقد.

لا داعي من الاعتماد
بم عمل لإختبار خاص بالمواد الواردة بالموقع طبقاً لتعليمات المهندس المشرف
وتم عمل عينات بالموقع باللائحة لتتم طبقاً لتعليمات المهندس المشرف
بم تقديم Method of Statements للاعتماد على سير العمل لتنفيذ
بم عمل سير العمل بمسرحاً للبناء الحضرية بحرفه الجارى

ممثل الاستشاري:

الاسم:

الوظيفة:

نتيجة الطلب:

ممثل المالك:

الاسم:

الوظيفة:

التوقيع:

التاريخ:

التوقيع:

التاريخ:

مرفوض ويجب إعادة التقديم

C

معتد

A

بدون اجراء

D

معتد مع ملاحظات إعادة التقديم غير ضرورية

B

استلام المقاول بالنتيجة

التوقيع:

التاريخ:

التوقيع:

التاريخ:



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

قطعة ١٤ - مجمع الأولى الصناعي - منطقة
المطورين - مدينة ٦ أكتوبر - الجيزة - مصر

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