

TECHNOBOND SKIM COAT GREY PRO SERIES

GREY COLOR SKIM COAT FOR INTERNAL & EXTERNAL WALL



TECHNICAL DATA

Packing	25Kg
Colour	Light Grey
Mixing Ratio	25Kg Base + 8.5kg Clean Water 25Kg Finish + 12.5kg Clean Water
Coverage (Approx)	Base: 8m ² at 2mm thickness Finish: 19m ² at 1mm thickness
Grade	  
Item Code	380 Base D01D 388 Finish B03C

APPLICATION



GREY FINISH 388

HOW TO USE TECHNICAL DATA



GREY BASE 380

TECHNICAL DATA





TECHNICAL DATA SHEET

TECHNOBOND 388 GREY 25KG

PRODUCT DESCRIPTION

TECHNOBOND 388 GREY 25Kg contains highly concentrated additive for cement based plaster top coat finishes.

USES

Application on internal & external plastering top coat finishes.

ADVANTAGES

- ✓ Good crack bridging capability
- ✓ Mixes and applies easily
- ✓ Very good adhesion to substrates
- ✓ Non-toxic, same as cement
- ✓ Improve bond strength
- ✓ Improve productivity
- ✓ Scratch resistant surface finish

PRODUCT DATA

Form	: Powder
Appearance / Colours	: Grey
Packaging	: 25 kg
Storage Conditions / Shelf Life	: 6 months from the date of production if stored properly in original, unopened and undamaged sealed packaging, in cool, dry conditions. Keep away from direct sunlight.

TECHNICAL DATA

Chemical Base	: Polymer modified plasticiser
Filler	: Graded Silica Sand / Limestone powder
Aggregate Size	: 0.10-0.50mm

HEALTH AND SAFETY INFORMATION

For information and advice on the safe handling, storage, and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet (available upon request) containing physical, ecological toxicological and other safety-related data



SYSTEM INFORMATION

Application Details	: 25kg TECHNOBOND 388 GREY + 12.5kg Clean Water
Mixing ratio	: 12.5kg Clean Water
Coverage	: Touch Dry Wall: Approximately 280 Square Feet for 1mm thickness Dry Wall: Approximately 250 Square Feet for 1mm thickness
Substrate Quality	: Concrete and brick surfaces must be clean, free from grease, oil and loosely adhering particles.
Substrate Preparation	: Wetting of substrate is recommended if the substrate is too dry before the application.

APPLICATION INSTRUCTIONS

Application Method / Tools	: Refer Method Statement.
Cleaning of Tools	: Clean all tools and application equipment with water immediately after use.
Pot Life (maximum)	: 60 minutes (at room temperature). Pot life is shorter at higher temperatures.
Notes on Application / Limitations	: For overnight plaster, prewet surface before applying TPS Minyak 338 Grey

LEGAL NOTES

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. Neither Shijiru Sdn Bhd nor any of its parent's companies assumes any liability what so ever for the accuracy or completeness of the information contained herein.

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METHOD STATEMENT FOR TECHNOBOND 388E GREY

1. INTRODUCTION

TECHNOBOND 388E GREY is a high quality top coat finishing for internal & external wall.

2. SUBSTRATE EXAMINATION

Before carrying out plastering works, ensure that: -

- a. All surfaces must be clean, free from dust, oil or traces of foreign materials that can affects adhesion. Protrusions such as wood peels and nails have to be removed prior to apply plastering top coat finishes.

3. SUBSTRATE PREPARATION

Before carrying out the plastering top coat finishing works, ensure that: -

- a. All surfaces must be clean, free from dust, oil or traces of foreign materials.
- b. Wetting of substrate is recommended if the substrate is too dry before the application of TECHNOBOND 388E GREY.



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4. APPLICATION

- a. Mix 25kg of TECHNOBOND 388E GREY with 11-12litres of clean water until a homogeneous paste is achieved. Additional water can be added if required.
- b. A resting time of 3 minutes is recommended for best consistency.
- c. TECHNOBOND 388E GREY mortar is applied using a steel trowel or spatula. As good practice, a maximum thickness of 2mm is recommended (2-3 coats).

5. REMARK

- TECHNOBOND 388E GREY should not be applied on damaged or hollowed painted surfaces.

6. DISCLAIMER

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SAFETY DATA SHEET

1. PRODUCT INFORMATION

General Product Name : **TECHNOBOND 388 GREY 25Kg**
Product Description : **Cement-based product formulated for thin cementitious plaster**

2. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS #	Description
Colored Composite Cement	65997-15-1	A preparation of cementitious mix based on a significant portion of grey cement, graded limestone powders, graded sand and other chemicals. Detail information on content is confidential.

3. HAZARDS IDENTIFICATION

Classification of the hazardous chemical

Skin corrosion/irritation : Category 2
Serious eye damage/eye irritation : Category 1
Skin sensitisation : Category 1

Label elements

Hazard pictograms :



Signal word : **Danger**

Hazard statements : H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.



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Precautionary statements : **Prevention:**
P261 Avoid breathing dust.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ eye protection/ face protection.

Response:

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.
P333 + P313 If skin irritation or rash occurs: Get medical ad- vice/ attention.
P362 Take off contaminated clothing and wash before reuse.

Other hazards which do not result in classification

None known.

4. FIRST AID MEASURES

If irritation or other symptoms (as noted above) occur or persist from any route of exposure, remove the affected individual from the area and get medical aid.

EYES: Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes. Occasionally lifting the upper and lower eyelids with fingers and roll eyes in circular motion. Get medical aid if needed.

SKIN: Wash exposed areas of the body with soap and water. Get medical aid if irritation develops or persists

INHALATION: Remove from area of exposure and move to fresh air immediately; seek medical attention if symptoms persist.

INGESTION: Never give anything by mouth to an unconscious person. Get medical aid. Do not induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cups or milk or water.

Note to Physician: Treat symptomatically and supportively.



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5. FIRE FIGHTING MEASURES

Ignition temperature: 285 C

EXTINGUISHING MEDIA:

Use water spray, dry chemical or foam. Carbon dioxide may be ineffective on a larger fires due to lack of cooling capacity which may result in reignition. Avoid hose streams or any method which will create dust clouds.

SPECIAL FIRE FIGHTING PROCEDURES:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Runoff from fire control or dilution water may cause pollution.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

All carbohydrates and dry chemical exhibits a potential dust explosion hazards if dust concentration in air is too high. Good housekeeping procedures are required to reduce this hazard.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment. Avoid breathing dust. Deny access to unprotected persons.

Environmental precautions : Do not flush into surface water or sanitary sewer system.

Methods and materials for containment and cleaning up : Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling:

Keep away from heat. Do not ingest. If ingested, seek medical advice immediately and show the container or the label. Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid drinking, tasting, swallowing or ingesting this product. Provide eyewash fountains and safety showers in the work area.



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Storage:

No special packaging required. Not classified as dangerous goods under the United Nations Transport Recommendations.

8. EXPOSURE CONTROL /PERSONAL PROTECTION

Engineering Controls:

Facilities storing or utilizing this materials should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low. Always provide effective general and when necessary local exhaust ventilation to draw spray, aerosol, fume, mist, and vapour away from workers to prevent routine inhalation.

RESPIRATORY PROTECTION:

In case of insufficient ventilation, wear suitable respiratory equipment

PERSONAL PROTECTIVE EQUIPMENT EYES:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

OTHER PROTECTIVE MEASURES:

Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Powder

Appearance: Grey

Odour: Odourless

PH @ 1.0% H₂O: 6.0 – 8.0

Vapour Pressure: Not available.

Vapour Density, Not available.

Boiling Point: Not available.

Freezing/ Melting Point: Not available.

Decomposition Temperature: Not available.

Volatiles, % by weight: Not available.

Specific Gravity (H₂O=1): Not available.

Solubility in H₂O, % by Volume: Soluble

Evaporation Rate: Not available.

Viscosity: Not available.



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10. STABILITY AND REACTIVITY

GENERAL: This product is stable.

CONDITIONS TO AVOID: Incompatible materials, dust generation, excess heat

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID: Strong oxidizing agents HAZARDOUS

DECOMPOSITION PRODUCTS: Combustion produces carbon monoxide, carbon dioxide.

HAZARDOUS POLYMERIZATION: Has not been reported.

11. Toxicological Information

Potential Health Effects:

CAUTION! Repeated inhalation of dust can cause sensitization to susceptible individuals & may cause eye irritation. Pre-existing skin problem may be aggravated by prolonged or repeated contact.

INHALATION: Dust inhalation may cause coughing, mucous production and shortness of breath.

EYE CONTACT: Direct contact may cause irritation.

SKIN CONTACT: Prolonged or repeated contact is no expected to create acute health effects.

INGESTION: No ingestion effect known.

Chronic health effects: None known

Symptoms / Sign of exposure: Irritation

Routes of exposure: Eye contact, Inhalation

Carcinogenic status: The components of this mixture are not known to be listed or regulated by IARC, NTP, OSHA, ACGIH.

As with all chemicals for which test data are limited or non-exist, caution must be exercised through the prudent use of protective equipment and handling procedure to minimise exposure.



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12. Ecological Information

Ecotoxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents. Dispose of as unused product.
Do not re-use empty containers.

14. TRANSPORT INFORMATION

International Regulations

UNRTDG

UN number : Not applicable
Proper shipping name : Not applicable
Class : Not applicable
Subsidiary risk : Not applicable
Packing group : Not applicable
Labels : Not applicable
Environmentally hazardous : no

IATA-DGR

UN/ID No. : Not applicable
Proper shipping name : Not applicable
Class : Not applicable



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Subsidiary risk : Not applicable
Packing group : Not applicable
Labels : Not applicable
Packing instruction (cargo aircraft) : Not applicable
Packing instruction (passenger aircraft) : Not applicable

IMDG-Code

UN number : Not applicable
Proper shipping name : Not applicable
Class : Not applicable
Subsidiary risk : Not applicable
Packing group : Not applicable
Labels : Not applicable
EmS Code : Not applicable
Marine pollutant : Not applicable

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied. No special precautions are needed apart from those mentioned under heading 8.

15. REGULATORY INFORMATION:

Safety, health, and environmental regulations specific for the hazardous chemical

Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013.

Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations 2000.

International Chemical Weapons Convention (CWC)

Schedules of Toxic Chemicals and Precursors: Not applicable



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TEST REPORT

REPORT NO : 2022CB0383

PAGE : 1 OF 6

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THIS TEST REPORT IS ISSUED IN SECURED PDF SOFTCOPY

Applicant : VIVO RAISER SDN BHD
No: 9 & 10, Jalan PKNK 3/7,
Kawasan Perusahaan Sungai Petani,
08000 Sungai Petani,
Kedah.

Manufacturer : VIVO RAISER SDN BHD

Product : TECHNOBOND 388 Grey

Reference Standard / Method of Test : 1) BS EN 1015-7: 1999,
Methods of test for mortar for masonry – Part 7: Determination of air content of fresh mortar
2) BS EN 1015-10: 1999,
Methods of test for mortar for masonry – Part 10: Determination of dry bulk density of hardened mortar
3) BS EN 1015-11: 1999,
Methods of test for mortar for masonry – Part 11: Determination of flexural and compressive strength of hardened mortar
4) BS EN 1015-12: 2016,
Methods of test for mortar for masonry – Part 12: Determination of adhesive strength of hardened rendering and plastering mortars on substrates

Description of sample : One (1) bag of 15 kg TECHNOBOND 388 Grey was received for testing
Model: 388 Grey
Brand: TECHNOBOND

Date Received of Complete Application : 18 November 2022

Job No. : J20221330064

Description of Test Results : The test results of the submitted test sample are described in Page 2, 3, 4, & 5 of this test report.

Issued Date : 29 December 2022

Approved Signatory;

(HANON NAZIR BIN MOHD BASIR)
Senior Testing Executive



(RAJA NOR SIHA BINTI RAJA ABDUL HANAN)
Head
Civil & Construction Section
Testing Services Department

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TEST RESULTS:

Product : TECHNOBOND 388 Grey
 Mix ratio : 30 % of water
 Method of test : BS EN 1015-7: 1999,
 Methods of test for mortar for masonry – Part 7: Determination of air content of fresh mortar

NO	TYPE OF TEST METHOD	TEST RESULTS
1.	Determination of air content by method A: Pressure Methods	<u>Air Content</u> 1) 9.0 % 2) 10.5 % Mean: (9.5 ± 0.49*) % - nearest 0.5 %

Note:

- 1) Testing period – 1st November 2022 to 22nd December 2022
- 2) Where the reported uncertainty is calculated using a coverage factor $k=2$, which gives a level of confidence of approximately 95%.
- 3) *Denotes measurement uncertainty

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TEST RESULTS:

Product : TECHNOBOND 388 Grey
 Mix ratio : 30 % of water
 Method of test : BS EN 1015-10: 1999,
 Methods of test for mortar for masonry – Part 10: Determination of dry bulk density of hardened mortar

NO	TYPE OF TEST METHOD	TEST RESULTS
1.	Determination of dry bulk density of hardened mortar	<u>Dry Bulk density</u> 1) 1650 kg/m ³ 2) 1590 kg/m ³ 3) 1580 kg/m ³ Mean: (1610 ± 9*) kg/m ³ - nearest 10 kg/m ³

Note:


1) Testing period – 1st November 2022 to 22nd December 2022

2) Where the reported uncertainty is calculated using a coverage factor $k=2$, which gives a level of confidence of approximately 95%.

3) *Denotes measurement uncertainty

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TEST RESULTS:

Product : TECHNOBOND 388 Grey
 Mix ratio : 30 % of water
 Method of test : BS EN 1015-11: 1999,
 Methods of test for mortar for masonry – Part 11: Determination of flexural and compressive strength of hardened mortar

NO.	TYPE OF TEST METHOD	TEST RESULTS
1.	Determination of Flexural & Compressive Strength - 28 days	<p><u>Flexural Strength</u></p> <p>1) 6.4 N/mm² 2) 6.6 N/mm² 3) 7.1 N/mm² Mean: (6.7 ± 0.023*) N/mm²</p> <p><u>Compressive Strength</u></p> <p>1) 28.1 N/mm² 2) 26.8 N/mm² 3) 27.2 N/mm² 4) 26.4 N/mm² 5) 29.8 N/mm² 6) 28.7 N/mm² Mean: (27.8 ± 0.23*) N/mm²</p>

Note:

- 1) Testing period – 1st November 2022 to 22nd December 2022
- 2) The sample was cured in Temperature & Humidity Chamber, (20 ± 2) °C / (65 ± 5) % RH.
- 3) Where the reported uncertainty is calculated using a coverage factor $k=2$, which gives a level of confidence of approximately 95%.
- 4) *Denotes measurement uncertainty

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TEST RESULTS:

Product : TECHNOBOND 388 Grey
 Mix ratio : 30 % of water
 Method of test : BS EN 1015-12: 2016,
 Methods of test for mortar for masonry – Part 12: Determination of adhesive strength of hardened rendering and plastering mortars on substrates

NO.	TYPE OF TEST METHOD	TEST RESULTS
1.	Determination of Adhesion Strength by Pull-Off using Portable Adhesion Tester - 28 days	<p><u>Adhesion Strength</u></p> <p>1) 1.12 N/mm² 2) 1.34 N/mm² 3) 1.35 N/mm² 4) 1.51 N/mm² 5) 1.43 N/mm²</p> <p>Mean: (1.35 ± 0.025*) N/mm²</p> <p><u>Fracture pattern</u></p> <p>Fracture pattern a: Adhesion fracture – Fracture at the interface between mortar and substrate</p>

Note:

- 1) Testing period – 1st November 2022 to 22nd December 2022
- 2) Where the reported uncertainty is calculated using a coverage factor $k=2$, which gives a level of confidence of approximately 95%.
- 3) *Denotes measurement uncertainty

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9. In the event the Applicant is found in breach of this provision, SIRIM QAS International, SIRIM and/or other SIRIM's subsidiaries without prejudice to any other rights and remedies may take whatever action necessary including but not limited to:
 - a) Informing and placing a notice in the media;
 - b) Obtaining an injunction from Court (cost on a solicitor-client basis to be borne by the Applicant);
 - c) Refusing to accept any further Product for Testing Services from the Applicant or whosoever related to the Applicant, whether subsidiary or otherwise;
 - d) Instructing the Applicant to withdraw and recall the advertisement, statement or document in question and advertise a clarification and apology to SIRIM QAS International, SIRIM and/or other SIRIM's subsidiaries twice in a national publication of SIRIM QAS International's choice at the Applicant's sole cost; and
 - e) Informing or lodging a report pertaining to the Applicant's Test Report with the relevant authorities.
10. SIRIM QAS International is committed in supporting an environmentally-friendly business practices by reducing paper consumption, therefore we do not issue any hard copy of Test Report to the Applicant. However, additional certified true copy(ies) or softcopy of the Test Report may be issued upon request by the Applicant upon payment of the relevant fee. The certified true copy(ies) or softcopy of test report shall only be given for test report issued not more than three (3) years from the date of issuance.
11. Issuance of Amendment Report due to the following reasons are chargeable to the Applicant :
 - a) Changes in details of the Applicant name and/or address;
 - b) Changes in details of the Manufacturer's name and/or address;
 - c) Changes in details of the Factory location name and/or address;
 - d) Changes in details of the model and/or type designation
12. However, issuance of Supplementary Report due to the following reasons are FOC :
 - a) Misprints and typo errors;
 - b) Missing technical information as agreed in PP1 form;
 - c) Test data not reported;
 - d) Mistake in reporting of test data
13. Corrections to report shall only be allowed if the date of issuance of the original report has not exceeded 6 months and shall be limited to a maximum 3 times, after either case whichever occurs earlier, an Amendment or a Supplementary Report shall not be issued.



The Singapore Environment Council hereby grant

Vivo Raiser Sdn Bhd

No 9 & 10, Jalan PKNK 3/7, Kawasan Perusahaan Sungai Petani
Sungai Petani 08000, Kedah, Malaysia

the right to use the Singapore Green Label for

TPS FINISH SERIES

022-145-3321

Environmentally Preferred Cement / Concrete Product

(In accordance to SEC Green Label Category 22: Cement and Concrete Products)

Validity: 5 June 2025 to 26 November 2026

Cheang Kok Chung
Executive Director



Certificate of Registration



This is to certify that the Environmental Management System of

VIVO RAISER SDN. BHD.

9 & 10, Jln Pknk 3/7, Kawasan Perindustrian Sungai Petani, 08000 Sungai Petani, Kedah, Malaysia.

is in accordance with the requirements of the following standard

ISO 14001:2015
(Environmental Management System)

SCOPE

**Manufacture for Plaster Additive, Skim Coat, Tile-Adhesive and
Cementitious Waterproofing**

(IAF Code: 12)

Certificate Number : 180325026036

Initial Registration Date : 18-Mar-2025

1st Surveillance Date : 18-Feb-2026

Next Due Date : 17-Mar-2026

Certificate Expiry Date : 17-Mar-2028

To verify certificate, visit at :

www.arscert.com

www.uafaccreditation.org

www.iafcertsearch.org

Issued by ARS Assessment Private Limited


Managing Director



CB-MS-3926



UAF Address : 400, North Center Dr, STE 202, Norfolk, VA 23502, United States of America

This certificate remains the property of ARS and must be returned to ARS on Cancellation or Suspension of the certificate. Validity of the certificate is subject to successful completion of surveillance audits. Further clarification regarding the scope of this certificate and the applicability of standard may be obtained by consulting the Organisation on info@arscert.com

Certificate of Registration



This is to certify that the Occupational Health and Safety Management System of

VIVO RAISER SDN. BHD.

9 & 10, Jln Pknk 3/7, Kawasan Perindustrian Sungai Petani, 08000 Sungai Petani, Kedah, Malaysia.

is in accordance with the requirements of the following standard

ISO 45001:2018

(Occupational Health and Safety Management System)

SCOPE

Manufacture for Plaster Additive, Skim Coat, Tile-Adhesive and
Cementitious Waterproofing

(IAF Code: 12)

Certificate Number : 270225036005

Initial Registration Date : 27-Feb-2025

st Surveillance Date : 27-Jan-2026

Next Due Date : 26-Feb-2026

Certificate Expiry Date : 26-Feb-2028

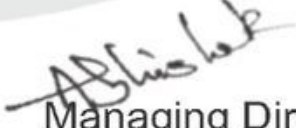
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Issued by ARS Assessment Private Limited


Managing Director



CB-MS-3919



UAF Address : 400, North Center Dr, STE 202, Norfolk, VA 23502, United States of America

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Certificate of Registration



This is to certify that the Quality Management System of

VIVO RAISER SDN. BHD.

SHIJIRU SDN. BHD.

HQ: No. 9 & 10, Jalan PKNK 3/7, Kawasan Perusahaan Sungai Petani, 08000 Sungai Petani, Kedah Darul Aman, Malaysia.

Branch: No 27 & 29, Laluan Industri Lahat 1, Kawasan Perindustrian Lahat, 31450 Ipoh, Perak, Malaysia.

is in accordance with the requirements of the following standard

ISO 9001:2015

(Quality Management System)

SCOPE

Supply of Materials and Labour for Plastering, Skim Coating and Plasterboard Ceiling and Manufacture for Plaster Additive, Skim Coat, Render, Tile-Adhesive and Cementitious Waterproofing Chemical

(IAF Code: 29,35,12)

Certificate Number : 111125016018

Initial Registration Date : 11-Nov-2025

1st Surveillance Date : 10-Oct-2026

Next Due Date : 10-Nov-2026

Certificate Expiry Date : 10-Nov-2028

To verify certificate, visit at :

www.arscert.com

www.uafaccreditation.org

www.iafcertsearch.org

Issued by ARS Assessment Private Limited

Abhishek
Managing Director



CB-MS-3923



UAF Address : 400, North Center Dr, STE 202, Norfolk, VA 23502, United States of America

This certificate remains the property of ARS and must be returned to ARS on Cancellation or Suspension of the certificate. Validity of the certificate is subject to successful completion of surveillance audits. Further clarification regarding the scope of this certificate and the applicability of standard may be obtained by consulting the Organisation on info@arscert.com