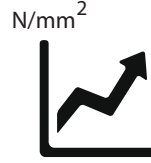


TPS SUPERPLASTICISER



MULTI USAGE ADDITIVE TO ENHANCE BRICKLAYING, CONCRETING, GROUTING & FLOOR SCREEDING



Reduces Water By 10-20%, Faster Drying Time
Improves Concrete Compaction Effectiveness
Reduces Honeycomb Effect
Increase Concrete Early & Final Strength



Flexible Concreting Hour
Highly Recommended for Small Area Concreting
Cost Saving Up To 30%
(From Material, Productivity, Handling & Hacking)

TECHNICAL DATA

Colour	Yellowish White (Liquid)	Mixing Ratio	0.4-0.8% of total cement weight	
Shelf Life	24 Months		Bricklaying	200g TPS Superplasticiser (SP) + 1 Bag Ordinary Portland Cement + 4 Wheelbarrow Sand
Packing	5Kg Bottle 20Kg Bottle 1000Kg IBC		Screeding	200g TPS SP + 1 Bag Ordinary Portland Cement + 4 Wheelbarrow Coarse Sand (200kg)
Pot Life	1 Hour		Concreting	*Trial mix should be conducted to determine optimum mix
			G15	200g TPS SP + 1 Bag OPC + 2 Wheelbarrow Coarse Sand + 2 Wheelbarrow Fine Sand
		G20	400g TPS SP + 1 Bag OPC + 2.5 Wheelbarrow Coarse Sand + 0.5 Wheelbarrow Fine Sand	
		G25	400g TPS SP + 1 Bag OPC + 1.5 Wheelbarrow Coarse Sand + 0.5 Wheelbarrow Fine Sand	

APPLICATION



Faster & Stronger Brick Production



Increase Bricklaying Strength



Faster & Stronger Concrete Moulding



Faster & Stronger Coping Production



Flexible IBS Grouting



Floor Screeding

VALUED CUSTOMER



TECHNICAL DATA





TECHNICAL DATA SHEET

TPS SUPERPLASTICISER

PRODUCT DESCRIPTION

TPS Superplasticiser liquid is a high quality highly concentrated water based cellulose polymer superplasticiser. Due of its excellent water reduction and excellent flow properties, remarkable improvement can be seen in concreting during application.

USES

Application on batching plant, cement based product production, bricklaying & concreting.

ADVANTAGES

- ✓ Reduce Drying Time
- ✓ Increase Compressive
- ✓ Strength Improve mortar flow
- ✓ Improve self-leveling properties

PRODUCT DATA

Appearance / Colours : Yellowish White (Liquid)
 Packaging : 5kg Jerry Can with Measuring Cup / 1000kg IBC
 Storage Conditions / Shelf Life : 24 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 superplasticizer liquid
 Solid Content : Approximately 40%
 Water Reduction : Up to 25%

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



Product Code: A07A
1000 kg IBC

Product Code: A07
5 kg Bottle

Product Code: A06A
20 kg Powder

SYSTEM INFORMATION

Mixing Ratio Dosage : 0.4-0.8% of total cement weight

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 ~ 120 minutes (at room temperature). Pot life is shorter at higher temperatures.
 Notes on Application / Limitations (Site Mix) : Due to variation of sand, trial mix is strongly recommended to determine optimum mix. 6 cubes of 100mm x 100mm x 100mm should be sampled for compressive strength test for every 50m³ concrete.

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.

VIVO RAISER SDN. BHD. (920807-P)

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 08000 SUNGAI PETANI, KEDAH, MALAYSIA

Phone: 04-4102148 Email: sales@shijiru.com Website: www.shijiru.com



ISO 9001:2015





TECHNICAL DATA SHEET

TPS SUPERPLASTICISER

PRODUCT DESCRIPTION

TPS Superplasticiser is a high quality highly concentrated water based cellulose polymer superplasticiser. Due of its excellent water reduction and excellent flow properties, remarkable improvement can be seen in concreting during application.

USES

Application on bricklaying & concreting.

ADVANTAGES

- ✓ Flexible on site concreting
- ✓ Cost saving on concreting
- ✓ Reduce bulging on concrete wall
- ✓ Reduce blockage on site
- ✓ Improve productivity

PRODUCT DATA

Appearance / Colours : White (Powder)
 Packaging : 20 kg (200 packets in 100g packing)
 Storage Conditions / Shelf Life : 24 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 superplasticizer
 Filler : Graded Silica Sand / Limestone powder
 Aggregate Size : 0.10-1.00mm

SYSTEM INFORMATION

Mixing Ratio Dosage : 0.2-0.4% of total cement weight
 Application Details / Mixing ratio :
 Grade 15: 1 packet TPS Superplasticiser + 50kg Ordinary Portland Cement + 160kg Coarse Sand + 160kg Fine Sand + 17.5kg Clean Water
 Grade 20: 2 packets TPS Superplasticiser + 50kg Ordinary Portland Cement + 200kg Coarse Sand + 40kg Fine Sand + 14.5kg Clean Water
 Grade 25: 2 packets TPS Superplasticiser + 50kg Ordinary Portland Cement + 120kg Coarse Sand + 40kg Fine Sand + 12.5kg Clean Water
 Substrate Quality : Concrete and brick surfaces must be clean, free from grease, oil and loosely adhering particles.



Product Code: A07A
1000 kg IBC

Product Code: A07
5 kg Bottle

Product Code: A06A
20 kg Powder

APPLICATION INSTRUCTIONS

Mixing Ratio : 0.2 – 0.4% of total cement weight
 Cleaning of Tools : Clean all tools and application equipment with water immediately after use.
 Pot Life (maximum) : 60 ~ 120 minutes (at room temperature). Pot life is shorter at higher temperatures.
 Notes on Application / Limitations (Site Mix) : Due to variation of sand, trial mix is strongly recommended to determine optimum mix.
 6 cubes of 100mm x 100mm x 100mm should be sampled for compressive strength test for every 50m3 concrete.

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.

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

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TPS SUPERPLASTICISER METHOD STATEMENT FOR CONCRETE MIX (SITE MIX)

1. SCOPE/PURPOSE

- To carry out the site mix concrete work as per approved design mix for each particular grade.
- This method covers for site mix concrete and trial mix for grade 20N by using concrete mixer.

2. REFERENCES

- Construction Drawings
- Project Specifications
- Inspection Request Form
- Approved design mix

3. MATERIALS

- Cement, coarse sand or fine aggregate, water

4. HANDLING AND STORAGE OF MATERIALS

- Handling: Transport of concrete using mixer truck and 20 tonnes of mobile crane to location of concrete work.
- Storage: TPS Superplasticiser & cement shall be stored in dry condition and protected from weather.

5. PLANT, MACHINERY AND EQUIPMENT

- Concrete Mixer
- Nominated lab
- Cube mould
- Weighing scale



- Wheelbarrow

6. PREPARATORY WORKS

Before the site mixes commence, check will be carried out to ensure all the various control devices of the concrete mixer is functioning properly.

7. WORK METHODOLOGY

7.1 Before carry out the site mix, a trial mix shall be conducted based on approved design mix to required grade of concrete to check workability of mix and compressive strength. A set six (6) 150mm concrete test cubes, 3 for testing at 7 days and 3 for testing at 28 days will be made and tested to achieve as per required target mean strength. Summary of mix proportion for trial mix as per table 1 below:

Table 1

Type	Concrete Grade (N/mm ²)	Mix Proportion (Cement: Coarse Sand: TPS Superplasticiser)				Water to Cement Ratio	Weight (kg)			Volume (L)
		Cement	Coarse Sand (0.5- 10mm)	TPS Superplas- ticiser	Cement		Coarse Sand (0.5 - 10mm)	TPS Superplastici- ser (Powder)	Water	
Normal Concreting (Without Using Mortar Pump)	20	1	3	0.006	0.4	50	150	200g powder / 400g liquid	20	
Mortar Pump Concreting	20	1	3	0.006	0.5	50	150	200g powder / 400g liquid	25	



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Last Update: 06/11/2020



VIVO RAISER SDN. BHD.

RegNo: 201001036884 | TIN: C21294886050 | MSIC Code: 23959 | SST No: A10-2508-22200004
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☎ 04-4102148 ✉ sales@shijiru.com



VR2022-005

SAFETY DATA SHEET

1. PRODUCT & COMPANY INFORMATION

General Product Name : **TPS Superplasticiser**
Product Description : **Water based superplasticiser for grouting & concreting**

Vivo Raiser Sdn Bhd
9 & 10, Jln PKNK, Kawasan Perusahaan Sungai Petani
08000 Sungai Petani, Kedah, Malaysia
Contact Numbers: +60124093200, +60124947600
Website: www.shijiru.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS #	Description
Cement Mortar Additives	9084-06-4	A preparation of cellulose polymer based on a significant portion of plasticiser, graded powders and other chemicals. Detail information on content is confidential.

3. HAZARDS IDENTIFICATION

United States (US)

According to OSHA 29CFR 1910.1200 (HCS)

GHS Classification of the substance or mixture

Not classified

GHS Label Elements

Pictogram None
Signal Word None
Hazard Statements None

Precautionary Statements

Prevention

Use engineering controls and wet methods to minimize dust.



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Response

If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if exposed or concerned.

Storage

Keep dry to preserve usefulness.

Disposal

Dispose of material in accordance with federal, state, and local regulations.

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

Extinguishing Media

Dry chemical, foam, water, or extinguishing media appropriate for surrounding fire.

Unusual Fire and Explosion Hazards

Material poses no fire-related hazard.

Special hazards arising from the mixture

None known

Special Protective Equipment and Precautions for Firefighters

A SCBA is recommended to limit exposures to combustion products when fighting any fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

No special precautions required. General recommendations: Wear appropriate Personal Protective Equipment. (See Section 8)

Environmental precautions

This product does not present an ecological hazard to the environment. Dispose of in accordance with applicable federal, state, and local regulations.

Methods and materials for containment and cleaning up

No specific clean-up procedures necessary. Pick up unused product to prevent tripping hazard

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.

Storage:

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



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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: Brown

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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VR2022-005

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.

12. Ecological Information

This product is biodegradable.



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13. DISPOSAL CONSIDERATIONS

Incinerate or landfill waste at a properly permitted facility in accordance with local regulations. Land disposal should be in closed containers.

US RQ: Not applicable

14. TRANSPORT INFORMATION

Cement Additives is not covered by the international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID) and no classification is required.

No special precautions are needed apart from those mentioned under heading 8.

15. REGULATORY INFORMATION:

Product name : TPS XTRA Blue

Danger symbol : Not applicable.

16. OTHER INFORMATION:

SDS Prepared by: Vivo Raiser Sdn Bhd

Phone Number: +6044102148

Date of Preparation: 1 January 2017

Revision indicators and Date

Effective Date Change: 9 May 2018 Supersedes: 5 May 2018

Format Changes: Conforms to OSHA 29CFR 1910.1200 (HCS)

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Page 6 of 6

ISSUE DATE: 1.12.2022



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(Company No.: 199601037981 (410334-X))
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40700 Shah Alam, Selangor Darul Ehsan, Malaysia
Tel: 016 - 389 0584
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www.sirim-qas.com.my

TEST REPORT

REPORT NO : 2024CB0101

PAGE : 1 OF 5

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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, Malaysia.

Manufacturer : Same as above

Product : TPS Superplasticiser

Reference Standard / Method of Test : MS EN 934-2: 2012,
Admixture for concrete, mortar, and grout – Part 2: Concrete Admixture –
Definitions, requirements, conformity and marking and labelling (First
Revision)
Clause 4.1: General requirement
Clause 4.2: Requirement for specific types of admixture

Description of sample : Five (5) packets of 150 gram TPS Superplasticiser were received for testing.
Brand: TPS
Product description: High quality highly concentrated water based cellulose
polymer superplasticiser

Date Received of Complete Application : 02 August 2023

Job No. : J20231430478

Description of Test Results : The test report covers only test clauses as requested by Applicant to SIRIM
QAS International Sdn. Bhd. The test results for the submitted test samples
as described in this test report complied with the requirements of the above
reference standard at the respective clauses tested.

Issued Date : 05 February 2024

Approved Signatory;

(HANON NAZIR BIN MOHD BASRI)
Senior Testing Executive



(Signature)

(RAJANOR SIHA BINTI RAJA ABDUL HANAN)
Head

Civil & Construction Section
Testing Services Department

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TEST RESULTS:

Product : TPS Superplasticiser
 Method of test : 1) MS EN 934-2: 2012,
 Admixture for concrete, mortar, and grout – Part 2: Concrete Admixture – Definitions, requirements, conformity and marking and labelling (First Revision)
 2) BS EN 480-1: 2006,
 Admixtures for concrete, mortar, and grout – Test Methods. Part 1: Reference concrete and reference mortar for testing
 3) BS EN 480-2: 2006,
 Admixtures for concrete, mortar and grout. Test methods - Determination of setting time

CLAUSE	REQUIREMENTS	TEST RESULT	REMARK*
4.2	Requirement for specific types of admixture - Type of admixture: Specific requirement for water resisting admixtures (refer to Table 10) 1) Compressive strength - at 28 day: test mix \geq 100 % of control mix	Control mix: 38.9 MPa Test Mix: 42.9 MPa Percentage ratio between test mix and control mix for 28 days: 110 %	Pass
	2) Setting time - Initial: test mix \geq control mix (280 min) + 90 minutes = 370 min	Test Mix: 390 min	Pass
	- Final: test mix \leq control mix (345 min) + 360 minutes = 705 min	Test Mix: 430 min	Pass

Note:

- 1) *Simple acceptance rule is used for the conformity statement. The level of risk regarding the probability of false accept is up to 50% according ILAC G8:09.
- 2) Testing Location – Civil & Construction Laboratory, Building 22, SIRIM Complex, Shah Alam, Selangor
- 3) Testing period – 23rd October 2023 to 23th December 2023.



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TEST RESULTS:

Product : TPS Superplasticiser
 Method of test : 1) MS EN 934-2: 2012, Admixture for concrete, mortar, and grout – Part 2: Concrete Admixture – Definitions, requirements, conformity and marking and labelling (First Revision)
 2) BS EN 480-1: 2006, Admixtures for concrete, mortar, and grout – Test Methods. Part 1: Reference concrete and reference mortar for testing
 3) BS EN 12350-2: 2019, Testing fresh concrete - Slump test
 4) BS EN 12350-7: 2019, Testing fresh concrete - Air content. Pressure methods

CLAUSE	REQUIREMENTS	TEST RESULT	REMARK*
4.2	Requirement for specific types of admixture - Type of admixture: Specific requirement for water resisting admixtures (refer to Table 10) 3) Water Reduction - test mix \geq 5 % compared with control mix	Control mix: 4000 ml Test Mix: 3000 ml Percentage water reduction between test mix and control mix: 25 %	Pass
	4) Air content in fresh concrete, - Test mix \leq 2 % (by volume) above control mix	Control Mix: 1.9 % Test mix: 1.7 %	Pass

Note:

- *Simple acceptance rule is used for the conformity statement. The level of risk regarding the probability of false accept is up to 50% according ILAC G8:09.
- Testing Location – Civil & Construction Laboratory, Building 22, SIRIM Complex, Shah Alam, Selangor
- Testing period – 23rd October 2023 to 23rd December 2023.



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Photo 1: Shows the samples of TPS Superplasticiser 150 gram

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2. The Test Report shall not be misused, amended, changed, varied or modified in any manner whatsoever by the Applicant or otherwise.
3. If the Test Report is to be furnished to any third party or to the public, each such Test Report shall be furnished in full, legible and in its entirety.
4. The Test Report shall not be reproduced and shall not in any event be used for any advertising purposes or whatsoever without written approval from the Head of Quality, Occupational Safety and Health & Environment (QOSHE) of SIRIM QAS International of No 1, Persiaran Dato' Menteri, Building 8, Section 2, P.O. Box 7035, 40700 Shah Alam, Selangor Darul Ehsan.
5. Customer (Applicant/Manufacture/Factory,etc.) is not permitted to use any SIRIM QAS International, SIRIM or other SIRIM's subsidiaries logo or words on packaging, sample's manual, technical specification, items and products.
6. Subject to consent and written approval from the Head of Quality, Occupational Safety and Health & Environment (QOSHE) of SIRIM QAS International, the customer (Applicant/Manufacture/Factory,etc.) may use SIRIM QAS International logo or word on the promotional materials and the Applicant shall only include the phrase, "A sample of this product has been tested by SIRIM QAS International ...(Test Report No) ...(dated) ...(for what test) ...(to which standard)" or such similar words which stress that only the sample was actually tested. This phrase shall only be used for the purpose of product advertisement or product promotion (eg; brochures/flyers/official website). For avoidance of doubt, the statement shall not be used on the sample, packaging of the sample, items and products.
7. In the event there is an investigation from a Government Regulatory Agency concerning the Applicant's Test Report, SIRIM QAS International may disclose the information pertaining to the Test Report for purposes of such investigation.
8. 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 the Applicant's Test Report with the relevant authorities.
9. 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.
10. 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
11. 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
12. 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.

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 :

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Managing Director



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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

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