VIVO RAISER SDN. BHD.
RegNo: 201001036884 | TIN: C21294886050 | MSIC Code: 23959 | SST No: A10-2508-22200004
9 & 10, JLN PKNK 3/7, KAWASAN PERUSAHAAN SUNGAI PETANI
08000 SUNGAI PETANI, KEDAH, MALAYSIA
04-4102148 sales@shijiru.com

METHOD STATEMENT
TPS BLUE

1. INTRODUCTION

TPS Blue is a powdered, water-based cellulose polymer plasticizer additive for cement-sand mortar used in internal and external plastering. It improves mortar workability, consistency and water retention. TPS Blue is not a ready-mixed plaster and must be combined with cement, graded sand and clean water. This method statement sets out the site preparation, proportioning, mixing, application, curing and inspection requirements for plastering works using TPS Blue.

2. SUBSTRATE PREPARATION & INSPECTION

1. Ensure all substrates (brick wall, block wall, or concrete) are clean, sound, and free of dust, grease, oil, formwork oil, paint, or loose material.
2. Remove loose material and protrusions. Complete and cure approved repairs to cracks, holes, joints and service chases before plastering.
3. For concrete surfaces, apply an approved spatterdash or key coat to improve the bond between the substrate and plaster. Allow the key coat to set or cure in accordance with its own product instructions.
4. For absorbent or porous substrates (such as AAC blocks or dry red bricks), lightly dampen the surface with clean water before application to prevent rapid moisture loss or apply a bonding agent.
5. Protect adjoining finishes, openings, fittings and completed work from mortar splashes. Do not apply TPS Blue mortar over painted surfaces.






3. MATERIAL PREPARATION & MIXING RATIO

1. Use cement conforming to the project specification, clean graded sand and clean water.
2. Clean river sand is recommended by the product TDS. Sand moisture and grading affect water demand; complete a trial mix when the sand source or condition changes.

Recommended starting mix for one batch:

Material	Quantity
Cement (OPC or PCC)	50 kg
TPS Blue	1 packet (approximately 100 g)
Clean, graded sand	200–250 kg, adjusted to sand characteristics
Clean water	Approximately 50–70 L; adjust gradually to sand moisture and workable consistency

Dosage: use one approximately 100 g packet of TPS Blue per 50 kg of cement. For two 50 kg cement bags, use two packets. Do not increase the dosage to compensate for unsuitable sand, excess water or poor substrate preparation. Confirm any alternative dose with the manufacturer before use.

4. MIXING PROCEDURE

1. Check that the mixer, measuring containers and tools are clean and free from hardened mortar.
2. Premix one TPS Blue packet with part of the measured clean water until evenly dispersed and creamy, as recommended in the product TDS.
3. Place the measured sand and cement into the drum mixer and dry-mix until the colour and texture are uniform.
4. Add the TPS Blue, then add the remaining water gradually. Adjust only as needed to achieve a cohesive, workable mortar suitable for trowel application.
5. Mix for 3 to 10 minutes until a homogeneous mortar is obtained. Do not exceed 10 minutes of mixing.
6. Use the mortar while it remains workable. Do not retemper mortar that has begun to stiffen or set; discard hardened or contaminated material.

5. APPLICATION

1. <u>Plastering:</u>

a) Apply the mortar with a steel trowel, pressing it firmly onto the prepared substrate to achieve good contact.

b) Build up the plaster to the required line, level and plane. Use a straightedge to rule off the surface and fill hollows while the mortar remains workable.

c) Apply approximately 12 mm maximum thickness per application. Where more than 12 mm is required, use multiple applications; leave the undercoat suitably textured to form a key for the next coat.

d) Do not exceed 25 mm total plaster thickness without review and approval by the project consultant or designer. The product TDS does not recommend total plaster thickness greater than 1 inch.

e) Avoid excessive trowelling or adding water to the finished surface. Protect edges, corners and junctions from damage.

2. <u>External Plastered Walls Finishing:</u>

a) ***Option 1 - Sponge finish:*** Sponge the TPS Blue plaster when it is firm enough to finish without tearing. Use a clean, lightly damp sponge and gentle, even movements.

b) ***Option 2 - TPS Render or TPS Patching Grey:*** Apply the selected product over the plaster as the final leveling coat, then sponge-finish as required. Follow that product's TDS for preparation, thickness and timing.

c) ***Option 3 - TPS Premium Grade skim coat:*** Use only a grade whose TDS permits external application. Apply and finish according to its TDS.

Confirm the selected system and appearance with the project team. Prepare an agreed sample panel where required.

3. Internal Plastered Walls Finishing:

a) ***Option 1 - Sponge finish:*** Sponge the TPS Blue plaster when firm enough to finish, using a clean, lightly damp sponge and gentle movements.

b) ***Option 2 - TPS 338 Grey:*** Apply as the finishing coat over the plaster, following the TPS 338 Grey TDS.

c) ***Option 3 - Normal skim coat system:*** Apply TPS Skim Coat Base first, followed by TPS Skim Coat Finish Normal. Follow the TDS for each product and the specified coat sequence.

For every option, the plaster must be firm, sound and clean before finishing. Do not mix the finishing products into TPS Blue mortar. Follow the selected product TDS for coat thickness, recoat timing and curing.

6. TECHNICAL SPECIFICATION

Parameter	**Product Information / Application Guidance**
Form / appearance / chemical base	White powder; polymer-modified cellulose plasticizer

Packaging / shelf life	10 kg outer pack of approximately 100 g packets; 60 months unopened and undamaged when stored cool and dry away from direct sunlight
Mixing time	3–10 minutes
Application thickness	Approximately 12 mm maximum per application; multiple applications for greater thickness
Maximum total plaster thickness	More than 25 mm is not recommended by the product TDS

Mortar strength, open time and pot life depend on the site mix and conditions. Follow the approved mix design and project acceptance criteria.

7. CURING AND PROTECTION

1. Protect freshly rendered walls from vibration, impact, and direct rain during the initial setting.
2. Follow the project specification for curing method and duration. Where water curing is specified, start after the mortar has set and use gentle misting.
3. Allow the plaster to cure and dry sufficiently before applying paint or subsequent finishes.

8. QUALITY CONTROL AND INSPECTION

1. Record substrate condition, spatterdash/key coat where applicable, batch details, mix proportions and water adjustments.
2. Check thickness, line, level and finish against project requirements; inspect for cracks, debonding, hollows, powdering and other defects.
3. Prepare a sample panel and carry out adhesion or other testing when required, using project-approved methods and acceptance criteria. Repair nonconforming areas using an approved method.









9. SAFETY COMPLIANCE

1. Follow the current SDS. Wear gloves, safety glasses and dust protection when handling TPS Blue or cement; avoid breathing dust and prolonged skin or eye contact.
2. If material contacts the eyes or skin, rinse promptly with clean water and seek medical advice if irritation persists.
3. Keep mixer guards in place and isolate equipment before cleaning. Maintain good housekeeping and dispose of mortar and wash water under site procedures; do not discharge cement wash water to drains or waterways.

10. STORAGE AND HANDLING

1. Store TPS Blue in its original, sealed and undamaged packaging in a cool, dry place, protected from moisture and direct sunlight.
2. Use stock in a first-in, first-out sequence.
3. Do not use material from damaged, wet or contaminated packaging.

11. DISCLAIMER

The information provided herein is based on our best knowledge and is intended as a general guide for the proper use of TPS Blue. Conditions of use are beyond the manufacturer's control, and no warranty is expressed or implied. It is the responsibility of

the applicator/contractor to determine the suitability of the product for the intended application.

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