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METHOD STATEMENT FOR TPS XTRA BLUE

1. INTRODUCTION

TPS XTRA Blue is a competitively priced water based cellulose polymer plasticiser for application on plastering. Due of its excellent water retention and air-entraining properties, remarkable improvement can be seen in workability and consistency during application.

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 plastering.

3. SUBSTRATE PREPARATION

- a. On area of concrete surfaces, spatter dash coat is required for improving adhesion between the undercoat and substrate.



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4. APPLICATION

- a) Mix 1 packet of TPS XTRA Blue (approximately 100g) with 200-250kg of graded sand (depending on nature of sand) and 50kg of cement (Ordinary Portland Cement or Portland Composite Cement) and mix thoroughly in a drum mixer with approximately 50-70 litres of clean tap water until a homogeneous paste is achieved. A mixing time of minimum 3 minutes and maximum time of 10 minutes is recommended for best consistency. Due to variation of sand, trial mix is strongly recommended to determine optimum mix.
- b) TPS XTRA Blue mortar is applied using a steel trowel. As a good practice, a maximum thickness of approximately 12mm per application is recommended. For plaster application more than 12mm, it is recommended to have multiple applications.
- c) The undercoat should act as textured key for the subsequent coat to improve adhesion and reduce shrinkage crack. For optimum plasticity adhesion and shrinkage crack control, plastering of more than 1 inch is not recommended.
- d) Once the second coat is touch dry, finishing coat are advised to applied using TPS Minyak 338 with a steel spatula to a thickness of 1-2mm. Pre-wet surface for overnight plaster finishing.

5. REMARK

- For best result, mix 1 packet of TPS XTRA Blue (approximately 100g) with clean water and stir evenly until a creamy consistency is achieved before adding into cement sand mixture.
- For optimum compressive strength, TPS XTRA Blue is recommended to be mixed with Ordinary Portland Cement or Portland Composite Cement (Complied with Malaysian Standard MS 522 : Part 1: 1989 Specifications for Ordinary Portland Cement).
- A detailed compressive test can be provided upon request.
- TPS XTRA Blue is suitable for interior and exterior usage; however, it should not be applied on painted surfaces.
- Clean river sand is recommended for optimum plasticity.
- Additional illustration for application can be obtained from our website and flyer.



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