



PRODUCT DATA SHEET

GT WP Render

(Waterproof Polymerized Cementitious Pre-Mixed Plaster)

Sprayable waterproof cementitious pre-mixed plaster for interior and exterior applications

Description

- GT WP Render is a high performance sprayable waterproof plaster for rendering and levelling work
- Engineered for plastering work on brickwalls, blockwalls, concrete and panel walls, for both interior and exterior use
- Serves as a plaster coat for GT Tile Adhesive & Tile Grout Series
- For a smoother surface finish, GT WP Render can be top coated with GT Skim Coat Series before painting

Uses

- As waterproof plastering, specifically for both interior & exterior wall render applications
- Sustained water exposure over time
- As rapid levelling work

Characteristics & Benefits

- Single-component formulation with fixed mixing proportions ensures consistent and high-quality work
- Water repellent
- Minimizes shrinkage cracking
- Engineered for spray plastering applications
- Approved by Water Supplies Department in Hong Kong for fresh water plumbing systems (GA No. M20240015)
- Complied with European, British & Chinese Standards
- Compatible with GT Skim Coat, Tile Adhesive & Waterproofing Series Products

Complied Standards

- European Standard: BS EN 998-1
- European Standard: BS EN 1015-10,11,12
- British Standard: BS 5262, BS 5492, BS 5385, BS 5838: Part 2, BS 6319
- Chinese Standard: GB/T 25181, JC/T 2326

Technical Data

Chemical Component	Portland cement, fine sand, filler and other chemical additives
Colour	Grey
Packaging	40KG
Maximum Aggregate Size	2.2mm
Water Demand	Hand application: 6.0–6.8 L/40 KG bag (Approx. 15–17%) Spray application: 6.8–8.0 L/40 KG bag (Approx. 17–20%)
Density	1.8 KG/L (wet) for 16% water demand
Pot Life	Approx. 1.5 hours
Thickness	8–15mm for 1 coat 15–25mm for 2 coats 25–35mm for 3 coats
Coverage	Approx. 1.45–1.55 KG/m ² /mm
Theoretical Consumption	Approx. 2.8 m ² /40 KG bag for thickness of 10mm
Storage Life	12 months (Product must kept in a dry environment)

Physical Properties

Adhesion To Concrete	EN 1015 – 12	> 1.0 N/mm ²
Compressive Strength	EN 1015 – 11	> 12 N/mm ²
Flexural Strength	EN 1015 – 11, EN 196 – 1	> 5.0 N/mm ²
Water Retentivity	BS 4551: Part 1	100%
Water Impermeability Pressure	JC/T 894	0.8 N/mm ²
Initial Surface Water Absorption	BS 1881	0.0261 ml/m ² . s (10 minutes) 0.0115 ml/m ² . s (30 minutes) 0.0064 ml/m ² . s (1 hour) 0.0043 ml/m ² . s (2 hours)
Shrinkage	Coutinho Ring, HKHA MTS Spec. Part D, Cl. 2.1.6	No cracks observed
Pond Test	HKHA Spec. WAT6 M010.4	No leakage
Suitability For Use In Contact With Portable Water	BS 6920 section 2 -Odour and Flavour -Appearance -Growth of aquatic micro-organisms -Extraction of substances that may be of concern to public health -Extraction of metal	Complied Complied Complied Complied Complied

Unless specified, all technical data represent average values and are based on 28 days curing time.

The provided physical data are derived from laboratory tests. Actual in situ material performance on-site may vary due to environmental and workmanship conditions beyond the manufacturer's control.

Substrate Preparation

Ensure the substrate is thoroughly cleaned, structurally sound and accurately level to meet specified tolerances. It should be free from any form of contamination, loose particles, grease, lacquer, plastics or remnants of foreign materials.

Additionally, any protrusions such as wood peels, nails, excess mortar or joints with tolerances beyond the thickness of the plaster should be addressed.

All concrete substrates should be properly cured prior to plastering.

Dampen the substrate with clean water the night before and at the time before application.

Ensure proper priming by using GT Moisture Guard on concrete with high fly ash content.

Mixing & Application

Begin the application process by combining one bag (40KG) of dry GT WP Render powder with 6.0-6.8 Liters (Approx. 15-17%) of clean water for hand application, 6.8 – 8.0 Liters (Approx. 17-20%) of clean water for spray application.

Apply GT WP Render either manually or with a spraying machine to achieve the required thickness in one or multiple layers.

For thin applications, GT WP Render can be applied directly on concrete without spatterdash.

For thick application, spatterdash should be applied before receiving GT WP Render for better mechanical keying.

Please refer GT WP Render's method statement for comprehensive procedures in detail.

Curing

Water misting is recommended but not always essential. However, it is mandatory under extremely hot or dry weather conditions.

Health & Safety

It is recommended to use a NOISH-approved or equivalent particulate face mask when mixing the material.

The material composition contains cement, which may cause an allergic reaction.

Exercise caution, as the material could cause irritation to the eyes and skin. In the event of eye contact, rinse immediately with ample water and seek medical attention. Should skin contact occur, wash thoroughly with soap and water.

Keep the product out of reach of children.

Refer to the Material Safety Data Sheet (MSDS) for comprehensive information on health, safety and proper handling procedures.

Cleaning & Disposal of Waste

For cured material, mechanical removal is suitable, while uncured material can be washed away with water.

Ensure proper disposal of waste in accordance with applicable legislation.

Legal Disclaimers

Note: The details and physical data provided in this catalog are based on our knowledge using standard testing methods and controlled environments. Results may differ under varying weather/site conditions, workmanship or substrates. As these factors are beyond our control, we cannot be held responsible for any faults or consequences that may arise. We recommend conducting comprehensive tests before the final application. Unless explicitly stated, all technical data represent average values with a curing time of 28 days. We retain the right to update or modify the contents based on new discoveries during research and development.