



W5 MULTIBOND

MULTIPURPOSE ADHESIVE, TILE BONDING, NEW TO OLD CONCRETE PLASTERING AND BONDING, FLEXIBLE CEMENT WATERPROOFING AND CURING COMPOUND



USES

- **Waterproofing**

Basement walls, tunnels, toilet floors, concrete rooftops, flower troughs, swimming pools, water tanks, and fishponds

- **Multi-purpose Adhesive**

For wallpapers, carpet and wood parquet bonding, bonding vinyl film onto plywood, fibre to paper, fibre to foil, vinyl to film, ceramic tile setting, and asphalt tile to floor

- **Injection into Screed and Wall to Waterproof**

Use **W5** by itself or a mix polymer to inject. Injection Pressure is 100 phi.

Drying time is about 10 days at 300°C inside the sand screed.

- **Water Tank & Roof top Waterproofing :**

Use **W5** + Plastering Cement (or Cement) to form an elastic membrane.

- **New to Old Concrete Bonding**

- **Curing Compound Dilute W5 Multibond with Water (Ratio 1: 4)**

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FEATURES

Cement added with **W5** will

- be able to **work on damp surfaces** and act against flowing water to stop leaks and waterproof effectively on the positive and negative side.
- **improve elasticity** with self-levelling property and **reduce porosity**.
- **reduce shrinkage by up to 10 times** for cement sand screed, reducing shrink-age cracks. Also **increases cement-setting time** by 1 hour.
- be **good for wall plastering and admixture** for non-shrink grout. After application, 1 to 2 days for curing by wetting is enough.
- **improve bonding strength by 2 to 3 times** to 30.57 kg/ cm². Especially good for bonding homogeneous tiles, granite and marble tiles and wood bonding. Bonds directly onto concrete surface.
- **allow thin plastering work**. Does not yellow even when exposed to sunlight.
- **have increased flexural strength** to 71.33-kg/ cm² and compressive strength to 407.6-kg/ cm².
- **have resistance** to chloride, salt water, oil, vapour and mild acid, a feature particularly suitable for concrete structure builds around the marina. It **resists water pressure** up to 15.28-kg/ cm².

APPLICATION METHODS

- Based on Cement + Sand ratio of 1 + 3, the amount of water needed is 24% by weight of cement, which can be replaced totally with 24% of **W5** or its dilution for optimum performance.
- Ensure surfaces to be coated are clean and intact. Remove paintwork or grease thoroughly. No chipping to the cement surface is needed. Dampen all surfaces before application.

1. For Tile Adhesive and Cement Slurry Bonding & Waterproofing

- Dilute **W5** : Water : Cement = 1 : 2 : 15 by weight.
- Usage: 0.26 kg / m² per 2 mm thickness; 8% W5 based on weight of Cement.
- **For Tile-Over-Tile Bonding**
- Skim-coat the Old tile surface with **W 5 + Cement** before tiling the next day.

2. For Cement Slurry Waterproofing

- Dilute **W5** with 1 time of water. Mix cement with the diluted **W5** solution (40% of the weight of cement).
- Usage: 0.4 kg / m² per 2 mm thickness. 20% W5 based on weight of Cement.
- Higher dosage of **W5** increases the flexibility of Cement.

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3. For New to Old Concrete Bonding, Cement Sand Screed, Wall & Ceiling Plaster

- Apply the **CEMENT SLURRY BOND COAT**. When it begins to gel and strengthen, apply the Render. Render thickness should not be more than 20 mm (3/4") per coat.
OR
- Pour the concrete into the formwork immediately.

A: CEMENT SLURRY BOND COAT

Mix Ratio— Cement :	W 5 :	Water
12 :	1 :	2 to 3 by volume

B: RENDER

Mix Ratio— (Cement : Sand = 1 : 3 to 5) :	W 5 :	Water
18 :	1 :	5 by volume

Usage: 0.50 kg / m² per 25 mm thickness. 4 % **W5** based on weight of Cement.

4. For Spalling Repairs, Mending worn-out floor and holes, Patching works around piping etc.

Usage: about 0.5 kg / m² per 2 mm thickness

5. For Concrete Curing Agent

- Mix Ratio— W5 : Water = 1 : 7 by volume
- Mix well, brush over freshly poured concrete surface to reduce shrinkage cracks, increase strength, surface hardness and to waterproof.
- Usage: about 0.5 kg / m² per 2 mm thickness

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CALCULATIONS

To use 12% of **W5**,

Dilute **W5** : Water = 1 : 1 by volume before adding into the cement and sand mix.

Usage: 6 kg of **W5** per 50-kg bag of cement.

TECHNICAL DATA

- Physical Form — Thick Milky Pure Polymer Solution
- Elongation — 5.3 times its thickness
- Shelf Life — 12 months
- **Water Test Zero Water Penetration - DIN 1048 part 5 : 91. Tested by SETSCO.**

PACKING

4-litre carboy, 5-litre carboy, 10-litre carboy, 20-litre jerry can



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