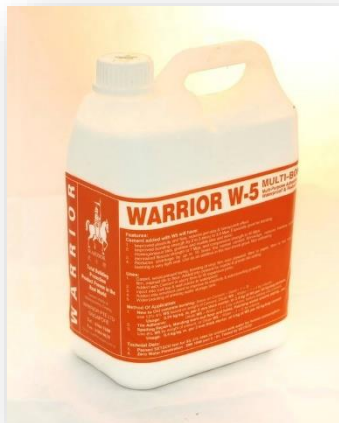




WARRIOR® W-5

MULTI BOND

MULTI PURPOSE ADHESIVE, TILE BONDING, NEW TO OLD CONCRETE PLASTERING AND BONDING, FLEXIBLE CEMENT WATERPROOFING AND CURING



USES

- **Cement, tile bonding**
- **Waterproofing**
- **Concrete curing agent**
- **Polymer injection (waterproofing)**
- **Multi-purpose Adhesive**

FEATURES

Cement added with **W5**:

- Able to work on damp surfaces, able to act against flowing water to stop leak. Effective waterproofing. Non-toxic water-based polymer. Improves elasticity, reduces porosity, reduces shrinkage by up to 10 times for cement sand screed, and thus reduces shrinkage cracks.
- Improved bonding strength by 2 to 3 times to 30.57 kg/ cm². Especially good for bonding of homogeneous tiles, granites and marble tiles and wood. Bonds directly onto concrete surface.
- Allows thin plastering work. Does not yellow when exposed to sunlight.
- Increased flexural strength to 71.33 kg/cm² and compressive strength to 407.6 kg/cm².
- Chloride, salt water, oil, vapours and mild acid resistance

APPLICATION METHODS

- 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.



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1. Tile Bonding

Add **W5** into cement and mix thoroughly into a homogenous paste.

Ratio: **W5**: Water: Cement = 1: 2: 10 by weight.

Usage: 0.15 kg/m²/mm thickness

For Tile-Over-Tile Bonding:

Skim-coat the entire existing tile surface with **W5** tile bonding mortar (as above).

Allow the tile bonding mortar to dry for 24 hours. Bond tiles on the cured cement surface, using **W5** tile bonding mortar.

New-to-Old Concrete Bonding, Screeding and Plastering on Old Cement Surface:

Apply a thin layer of **W5** tile bonding mortar over the surface to be bonded, when the bonding mortar starts to gel and strengthen, install the overlaying materials (concrete, screeding or plastering).

2. Cement Slurry Waterproofing

Dilute **W5** with 1 time of water. Mix cement with the diluted **W5** solution (40% of cement weight).

Usage: 0.4 kg / sq. m. per 2 mm thick.

Higher dosage of **W5** increases the flexibility of cement.

3. Concrete Curing Agent

Mix Ratio: **W5** : Water = 1 : 4 by volume.

Mix well, brush over freshly poured concrete surface, so to reduce shrinkage cracks, increase strength and surface hardness.

4. Polymer Injection

W5 can be poured or injected into cracks directly, to seal up water passage and stop water penetration.

5. Multi-Purpose Adhesives

W5 can be used directly as glue for various materials, e.g., parquet, paper, wallpaper, etc.

Cured **W5** will not dissolve when in contact with water.

TECHNICAL DATA

- Physical Form Thick Milky Pure Polymer Solution
- Shelf Life 12 months

PACKING

1 kg-bottle/ 4 kg-carboy/ 20 kg-jerry can