



# W2 FLEXI GUARD

ELASTIC WATERPROOFING CEMENT ADMIX. A WATER-BASED POLYMER DESIGNED TO MODIFY CEMENT



## USES

- Flexible Waterproofing Cement: Toilet, Wet area, Basement, Diaphragm wall, Swimming pool, Fishpond, Flower trough.
- Tiles bonding - for laying tiles on flexing surfaces and to waterproof.
- Injection polymer and bonding aid for PVC to Paper

## FEATURES

After mixing with White or Grey Cement compound.

- Bonding - excellent bonding property, will bond onto cement, sand, polyurethane, and bitumen surfaces. Therefore it can be coated over existing waterproofing membrane layer.
- Flexibility - Cured coating is elastic, flexible, and very stretchable with excellent contour conforming ability.
- Weathering - It is a chemically stable product, resists UV ageing, temperature changes, and remains impermeable to water.
- Withstands wide temperature changes - does not blister or soften at higher temperature; remains supple and flexible at lower temperature.
- Chemical resistance – resistance to mild acid and alkaline solution.
- Tough and resilient - suitable for various type of waterproofing needs.
- Environmentally friendly – It does not contain organic solvent, does not pollute, flame resistance, safe to use.

## APPLICATION METHODS

Mix Ratio:	<b>W2</b>	+	<b>Tile Bond Cement</b>
	<b>20 %</b>	+	<b>100 %      by Weight</b>

Usage:      W2 = 1.2 kg / sq. m per 3 mm thick.  
Allow 24 hours for curing before water testing.

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- Ensure surface to be treated is clean and intact, Free of fine dust and oil.
- Hard brush applies **W2 + Cement + Sand Slurry in 2 coats** after the previous coat has dry. Final dry thickness is 1.5 to 2 mm.
- During application, the slurry should be mix well without seeing the polymer floating above.
- It can be applied over damped surface.

## Waterproofing Membrane:

- Mix & stir to ensure uniform distribution.
- Increasing amount of cement during mixture will increase hardness.
- If finer calcium carbonate is used in dry powder mixture, it will be more viscous.
- With higher content of W2 the elongation rate at break, cohesion and water resistance will increase.

## TECHNICAL DATA

Solid content	56 ± 1 %
PH value	7.5 - 8.5
Viscosity	500 – 1300 mPa.s (3# / 60rpm/ 25°C)
Elongation rate at break	2400 (% >/=)
Greatest Pull Strength	0.6 N / mm <sup>2</sup>
Water absorption rate	1.0 % over 24 hours
Working Temperature Range	-20 <sup>0</sup> C to 100 <sup>0</sup> C

**PSB Test: Jan 31, 2002 DIN 1048 Part 5: 1991 Zero water penetration on concrete**

**PACKING** 5 litre-carboy, 20 litre-jerry can

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