



# CON PUTTY WR 500

Water resistant high quality cementitious premixed putty



## DESCRIPTION:

CON PUTTY WR 500 is composed of white cement, fine fillers, bonding chemicals, and high-performance additives. It is supplied as a dry powder in pre-weighed bags ready to use on-site. It only requires the addition of clean water to produce a cohesive mix. CON PUTTY WR 500 is a high-quality product applied as a thin underlayment to repair undulations. It provides a very smooth surface finish that is ideal for subsequent application of paint and decorative coatings. CON PUTTY WR 500 can be applied generally in thickness from 1mm to 3mm.

## TYPICAL USES:

- Use to leveling of minor surface undulations.
- Apply externally & internally, in wet and dry conditions, onto the walls & ceilings such as Bathrooms & Kitchens.
- Use on concrete and plastered surfaces that are smooth, and also on precast concrete surfaces.
- Suitable for use over surfaces that are plastered with CONTECH products and on gypsum boards.

## ADVANTAGES:

- Factory controlled pre-blend that ensures consistently high quality.
- It requires only the addition of water on-site at the time of usage.
- Suitable for external & internal applications.
- Water-resistant.
- It is easy to apply as it requires minimum effort to achieve a superior finish.
- Strong adhesion on a variety of substrates.
- Use on concrete and plastered walls & ceilings.
- It achieves a very smooth finish.
- It is suitable for humid & dry conditions.

## STANDARD:

BS EN 1015-12

## TECHNICAL SPECIFICATIONS:

Appearance:	White colour Powder
Aggregate size:	0.15 mm max
Application thickness:	≤ 3mm
Dry density (Kg/Liter):	≤ 1.26 approx
Wet density (Kg/Liter) :	1.54 approx.
Pot time @ 25°C:	1.5 - 2 hrs approx.
Setting Time @ 25°C:	7 - 9 hrs
Bond Strength @ 28 day :	0.45 N/mm <sup>2</sup>

## APPLICATION PROCEDURE:

### Surface preparation:

The surface should be sound, clean, free from loose material, grease, laitance, dirt curing compound, etc. Before the CON PUTTY WR 500 application, wet the entire surfaces with clean potable water. The surface should look damp at the time of the CON PUTTY WR 500 application.

### Mixing:

For mechanical mixing, add to the mixing container 10-11 liters of water for each 20kg bag of CON PUTTY WR 500. Add the powder to the water and mix with a mechanical plaster mixer, or with a low-speed electric drill fitted with a suitable paddle. Mix for 3-4 minutes until achieving a uniform, lump-free consistency.

Leave the mixed material to stand for 10 min and briefly remix without adding water.

Mix small batch quantities manually for approximately 1-2 min, or until achieving a when a homogenous mix. When required, add 1 liter of Putty Bond 2 to the mixing water and adjust the water requirement for each 20kg bag of CON PUTTY WR 500 accordingly. Follow the same mixing procedure as above.

Use the mixed material within 3 hours. Do not add water once the mixed filler mortar starts to stiffen or harden.

### Application:

Generally, apply CON PUTTY WR 500 in single or double coats.

Apply CON PUTTY WR 500 to the substrate by pressing the putty firmly onto it. Use a flat trowel to level the material to a smooth finish.

Apply a second coat if necessary once the first coat initially sets.

After applying CON PUTTY WR 500, it is recommended to apply one coat of alkali-resistant primer followed by two coats of acrylic emulsion paint or other suitable coatings.

## PACKAGING & STORAGE:

- **Packing:** White 20 KG Bags.
- **Storage:** Store under cover, out of direct sunlight and protect from extreme temperatures.
- **Shelf life:** Shelf life is up to 12 months when stored as per recommendations.

### Coverage:

Coverage	1m <sup>2</sup> /kg/1mm Thickness
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Yield	20 Liters
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Stated consumption data are for general guidance. Actual consumption depends on the nature of the substrate, method of application, and wastage

## HEALTH & SAFETY:

CON PUTTY WR 500 is highly alkaline; therefore, avoid direct contact with eyes or skin. It is recommended to use protective gloves and goggles during the application. Wash any skin contact with soap & water. In case of eye irritation, immediately wash with a copious amount of clean cold water. Seek medical advice. CON PUTTY WR 500 is non-flammable.

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