

## ZEMCOAT Skimcoat Water Resistant

### COMPANY INFORMATION

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### PRODUCT NAME

ZEMCOAT Skimcoat Water Resistant

### PRODUCT DESCRIPTION

ZEMCOAT Skimcoat Water Resistant is a specially formulated skimcoat for ultra-thin plastering of 0.5-2mm application thickness. This new innovative variant of Zemcoat not only perfectly smoothens concrete & plastered masonry surfaces, but also prevents the penetration of moisture, hence paint blistering is avoided. It reduces construction costs by replacing three finishing steps (concrete neutralizer, patching compound and base coat). It is easy to apply, has high bonding strength, resistant to hairline cracks and compatible with masonry & elastomeric paint. Ideal for application areas that need additional protection against weather conditions rain and moisture, such as bathroom, kitchen, firewall and facade.

### ADVANTAGE

- Water resistant
- Water repellent make it ideal for outdoor applications
- Prevents mold growth & paint blistering
- Ultra thin application thickness (0.5 - 2mm)
- Economical because of reduced construction & labor costs
- Long setting time for superior finish
- High initial adhesiveness and non-sag properties make it ideal for overhead applications
- Long pot life for greater workability
- Direct application on interior and exterior concrete surfaces
- Perfectly smoothens concrete & plastered masonry surfaces
- Will not crack nor leave any pinholes
- Quick & easy application

### COLOR

White

### CLASSIFICATION STANDARD

- ✓ BS EN 1015-11:1999 European Standard
- ✓ BS EN 1015-12:2000 European Standard
- ✓ ASTM C531: American Society for Testing Materials

### TECHNICAL DATA

<b>Solubility in water</b>	slight 3% maximum
<b>Specific gravity</b>	0.99
<b>Odor</b>	no odor
<b>Water retentivity</b>	99.9%
<b>Average Compressive Strength</b>	25.0 N/mm <sup>2</sup>
<b>Average shrinkage</b>	0.10%
<b>Tensile adhesion strength (14 days)</b>	1.14 N/mm <sup>2</sup> (indoor curing)
	1.04 N/mm <sup>2</sup> (outdoor curing)
<b>Loss of tensile adhesion strength after QUV</b>	4.5%

### COVERAGE

Zemcoat <b>WATER RESISTANT</b>	Application thickness	Area (approx.)
20kg	0.5 - 1mm	20 - 40m <sup>2</sup>
	2mm	8 - 10m <sup>2</sup>

Note: Calculation based on 1 - 1.2kg/m<sup>2</sup>/mm application thickness. Coverage may vary depending on substrate condition, application thickness and workmanship.

### SURFACE PREPARATION

The surface must have cured, be structurally sound & stable, level, even, clean & free from paint & contaminants (dirt, dust, loose material, oils, chemicals, etc.).

⚠ **Before Zemcoat application, dampen substrate one section at a time using a stiff bristle brush or roller brush. For outdoor applications and during hot weather conditions (at noon time or during summer), wet substrate very well to ensure proper bonding.**

## INNOVATIVE BUILDING SOLUTIONS

Substrate Condition	Surface Preparation
New concrete	Concrete must have cured for 7-14 days (min.)
Painted concrete	Abrade existing paint
Smooth concrete	Use <b>Zembond</b> (Mortar & Plaster Aid) as Primer
Repair works	Scrape off paint blisters or loose paint

### APPLICATION GUIDE

#### 1. Mixing

In a clean plastic pail, mix clean water with Zemcoat. Mixture should attain a smooth, creamy & lump-free consistency. Use an electric mixer for best results. Mixing time: 2 - 3 minutes. Let mixture rest for 15 minutes. Mix again briefly before use. **Pot Life: 2 hours.**

Pot Life

**2**  
hours



#### Mixing Ratio

Water	+ Zemcoat Water Resistant
0.35L	1kg
7L	20kg

**Caution: Use only non-absorptive materials as mixing base** (plastic pail or G.I. sheet). If absorptive materials such as plywood, wooden box, gypsum board, fiber cement board or cardboard is used, it will affect the chemical properties of the product, which can result in bonding failure and poor product performance.

#### 2. Application

While the substrate is still damp, apply Zemcoat to desired application thickness (0.5 - 2mm) using a steel trowel.

**Setting time: 30 minutes.**

Setting Time

**30**  
minutes

**Note:** ■ Zemcoat has set when the finish looks matte.

- If further smoothening is needed, sprinkle a small amount of water when the surface is about to set, then smoothen to the desired finish.
- When using variants with the same color, apply Zemcoat Water Resistant just before Zemcoat Original is about to set.
- When using variants with different colors, apply Zemcoat Water Resistant only when Zemcoat Original has already set.

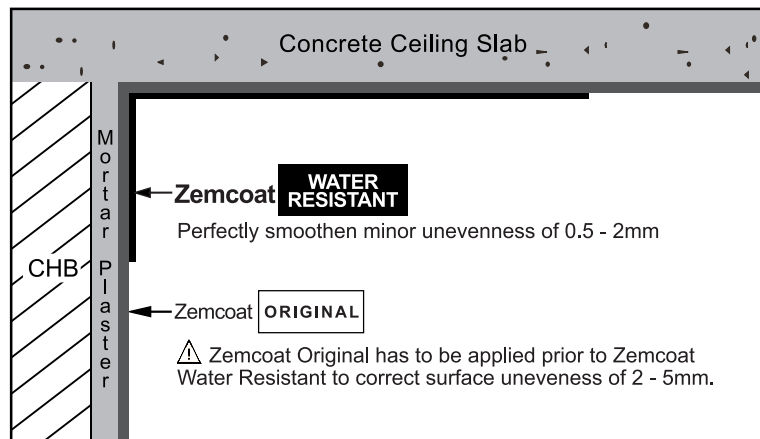
#### 3. Finishing

Zemcoat Skimcoat must receive further finish of paint or sealer as protection. **Zemcoat Skimcoat requires a minimum of 3-5 days curing prior to application of primer.** This replaces the use of concrete neutralizer.

Curing Time

**3-5**  
days (min.)

### SECTIONAL DETAIL



### PACKAGING

- 20kg multilayer paperbag Zemcoat Water Resistant

### STORAGE & SHELF LIFE

When stored in a cool, dry place & in its original unopened packaging, Zemcoat Skimcoat Water Resistant will remain usable one year from date of manufacture.

### WARRANTY

Due to variety of applications, different working methods and the various properties of bases, we cannot assume responsibility or liability with regard to the application of our products. Our guarantee and liability are restricted to the quality of our products at the time of acceptance of the customer of such products. In no case shall our liability extend beyond replacement of defective products, if any, found at the time of acceptance. For all deliveries and services, our General Sales Condition including warranties stipulated for each case are valid.

