



# VOLSEAL® 250

## CEMENTITIOUS FLEXIBLE WATERPROOFING COATING

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### DESCRIPTION

VolSeal 250® is an easy two coat application with rapid setting properties. It is flexible, has excellent adhesion and is water resistant to 15 bar against positive hydrostatic pressure and 5 bar against negative hydrostatic pressure. Volseal 250 is WRc approved and can be applied to green concrete. Resistances include outstanding weather resistance, very high CO<sup>2</sup> diffusion resistance and chloride ion diffusion resistance. It is vapour permeable and non-toxic. It can be painted or rendered with water based products, and is trafficable by foot once cured.

### APPLICATIONS

- Surface Waterproofing
- Concrete Water Courses
- Concrete Pipe Lining
- Anti-carbonation Coating
- Waterproof Membrane
- Tanking
- Lift Pits
- Potable Water Situations
- Rust Proofing
- Dock Piling
- Bund Walls

### INSTALLATION

Two component material 2.5 parts powder (Part A) to 1 part liquid (Part B). Mix using a slow speed paddle mixer until homogenous. Mix only the amount that can be applied in 10 minutes. Up to 3% water can be added to aid workability.

**NOTE:** Do not remix with additional water. Do not apply more than 4 mm total thickness. Do not apply to bitumen.

### PREPARATORY WORK

The treatment area should be properly prepared, cracks and recesses should be made good, use 45° cementitious fillets on all internal angles. The surface area must be free of all loose materials and substances which would impair adhesion e.g. grease, oil etc.

### MATERIAL APPLICATION

Pre-damp substrate with clean water. Apply by stiff brush or roller.

### RECOMMENDED COVERAGE RATE

Recommended coverage rate 3.6 kg per m<sup>2</sup> in two coats.

**NOTE:** Do not apply below 4°C on a falling thermometer or in inclement weather.

Please contact our technical department should you require any further information regarding suitability or application of this product.

### STORAGE

Above 5°C and below 30°C in dry conditions, off ground and away from direct sunlight. Shelf life 12 months in original unopened packaging when stored correctly.

### SIZE & PACKAGING

35 kg Pack  
 Part A 25 kg (powder)  
 Part B 10 kg (liquid)  
 Coverage  $\approx$  8-10 m<sup>2</sup> in 2 coats

TECHNICAL DATA		
	COMP A	COMP B
<b>FORM</b>	<b>POWDER</b>	<b>LIQUID</b>
<b>COLOUR</b>	<b>GREY / WHITE</b>	<b>MILKY WHITE</b>
<b>APPLICATION TEMP.</b>	<b>NOT LESS THAN +4°C</b>	
<b>SPECIFIC GRAVITY</b>	<b>(MIXED) 1.8 kg/litre</b>	
<b>TOXICITY</b>	<b>NON-TOXIC</b>	
<i>CURED PROPERTIES</i>		
<b>ADHESION TO CONCRETE</b>	<b>&gt;1.1 N / mm<sup>2</sup></b>	
<b>RESISTANCE TO WATER PRESSURE</b>	<b>15 BAR POSITIVE (NO LEAKAGE)</b>	
<b>(2 mm COATING) TAYWOOD TEST</b>	<b>3 BAR NEGATIVE (NO LEAKAGE)</b>	
<b>% ELONGATION ASTM D2370</b>	<b>&gt;110%</b>	
<b>TENSILE STRENGTH ASTM D2370</b>	<b>11 N / mm<sup>2</sup></b>	
<b>CO<sub>2</sub> RESISTANCES</b>	<b>357.5 m R&gt;50 m*</b>	

\* Where R = air diffusion equivalent for CO<sub>2</sub> in metres