

## GROWSEAL™ BRUSHCOAT PLUS

### DESCRIPTION

**GROWSEAL™ BRUSHCOAT PLUS** is a two components flexible cementitious waterproofing membrane. It is waterproofing excellent resistance to weathering, high elasticity, non-toxic, strong adhesion, capable of bridging hairline cracks and easy to apply.

### USES

**GROWSEAL™ BRUSHCOAT PLUS** is suitable for application to internal or external areas to provide a waterproofing and protective coating to:

- ✧ Basement walls and lift pits
- ✧ Bathrooms and Kitchens
- ✧ Swimming pools and water features
- ✧ RC flat roof and gutters
- ✧ Balconies and planter boxes
- ✧ Repairs concrete cracks
- ✧ Potable water tanks

### ADVANTAGES

- \* Pre-packed-Easy to mix and apply
- \* Excellent waterproofing qualities-able to withstand high hydrostatic pressure.
- \* Excellent adhesion to prepared concrete, brick work and masonry
- \* Resistance to frost and thawing salts
- \* Non-toxic-suitable for use in waterproofing potable water tanks
- \* Weathering resistant
- \* Algae and fungus resistant

### TECHNICAL DATA

General	:	Two component
Product Type	:	Cementitious waterproofing coating
Mix components	:	A Fine grey powder B Milky white liquid emulsion
Mixed Ratio	:	1.5 part A + 1 part B
Mixed color	:	Concrete grey
Mixing procedure	:	Mixing for 10 minutes (e.g. 11.6Kg Part A + 8.4Kg Part B)

### APPLICATION DATA

Coverage:

Primer : 1 coat of **Growseal™ CCP** Nano-modified Cementitious Crystalline Waterproofing Primer.

Coat : 0.5mm DFT thickness  
(Approx. 0.9kg / m<sup>2</sup> / coat)

Number of coats : 3

Consistency : Brushable or rolling

Over coating time : 2 - 4 hours  
(Overcoating time may be varied by temperature and humidity change)

Lowest Application Temperature : 8°C

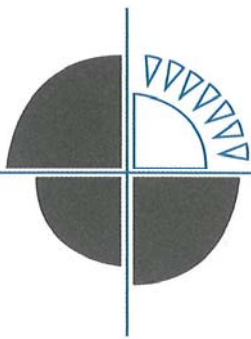
Maximum Application Temperature : 35°C  
(Please cool down the substrate with water before application if the temperature of substrate is over 40°C)

Water Permeability (BS EN: 12390-8 DIN: 1048 Part 5) : 0mm (5 Bar water pressure for 72 hours)

Elongation at break (ASTMD412) : > 300%

Bonding Strength (ASTM D4541 & BS EN1452) : ≥ 1.2 N/mm<sup>2</sup>

Tensile Strength (ASTM D412) : ≥ 1.3 N/mm<sup>2</sup>



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### VOC:

Type of regulated paint under the Air Pollution Control (Volatile Organic Compounds) Regulation Code: P08-16.

VOC content (ready to use) = < 50 g/litre

### METHOD OF USE

#### Repairs

Any necessary repairs should first be carried out to patch spalled/damaged concrete and to provide cover to exposed reinforcement. We recommend the use of repair mortar to carry out such repairs.

#### Preparation of Substrate

All areas should be prepared to achieve a clean surface ready to receive **GROWSEAL™ BRUSHCOAT PLUS**. For old concrete and brickwork, water jetting, grit blasting or similar abrasive mechanical preparation is suggested. New concrete should be cured for at least 28 days before application. Do not use over spray-on curing membranes.

#### Mixing

**GROWSEAL™ BRUSHCOAT PLUS** must be mixed in a forced action mixer for 10 minutes.

Pour about  $\frac{2}{3}$  of the liquid B into the mixer. Slowly add all the powder component A to the liquid and mix to a smooth paste free from lumps of undispersed powder. Dilute to a brushable consistency using the remaining liquid. Less liquid may be used if a stiffer mix is required.

**Do not add water or more liquid than has been provided in the package.**

#### Application

**GROWSEAL™ BRUSHCOAT PLUS** can be directly applied on the dry / damp clean surface by roller or brush. Three coats are normally required, the second/third coat should be applied 2-4 hours after the previous coating, if the overcoating time exceed more than 12 hours, apply some water to moisturize the surface layer before continue the work.

Do not apply when raining or when rain is expected before the coating has dried.

The first and the second layer should be applied in cross direction. It is help to reduce the air hole exist during the procedure.

For normal duty, it is required to apply at least 3 layers. For heavy duty (i.e. pool, tank), at least 4 layers are required.

#### Cleaning of Tools

Tools and equipment should be cleaned directly after use with water. Do not allow this mortar to harden before removing.

#### STORAGE

**GROWSEAL™ BRUSHCOAT PLUS** must be stored in a dry place free from contact with moisture and frost. This product has a 12 month shelf life stored in original unopened containers if kept at 10-30°C.

**PACKAGING** : 20Kg / set in one plastic bucket  
(11.6Kg Part A + 8.4Kg Part B)

#### HANDLING

**GROWSEAL™ BRUSHCOAT PLUS** is non hazardous, but work cleaning and wear protective clothing. In windy conditions wear a filter mask to avoid inhaling dust. Remove splashes from skin with water and in case of eye contract wash copiously with water and if irritation persists seek immediate medical attention. For further information refer to the relevant Health and Safety Data Sheet.

*We endeavour to ensure that any advice, recommendation or information we may give in product literature is accurate and correct. However, we have no control over the circumstances in which our product is used and it is therefore important that the end user satisfy himself by prior testing that the product is suitable for his specific application and that the actual conditions of use are suitable. Accordingly, no responsibility can be accepted, or any warranty given by ourselves, our representatives, agents or distributors, other than that the product as supplied by us will meet our written specification. Products are sold subject to our standard conditions of sale and each purchaser and end user should at all times ensure that he has consulted our latest product instructions and safety information.*