

Phuma Manzi

Water Repellent



DESCRIPTION

A single pack, solvented, silane/siloxane based silicone, air drying clear coating

INTENDED USE

A colourless, general purpose water repellent used to impregnate and prime mineral and highly alkali surfaces. Used as a barrier coat on substrates such as bricks, concrete etc. to render them water repellent

PRODUCT FEATURES

- After application the product reacts with the atmospheric moisture or pore moisture in the substrate
- The active ingredient lowers the water absorbency of the substrate
- Does not clog pores and capillaries
- Substrate retains a very high degree of water vapour permeability
- Penetrates the substrate to form a barrier that renders it water repellent
- Imparts water repellence to absorbent, porous, mineral construction materials such as
 - Brickwork
 - All kinds of plaster and concrete
 - Natural and artificial stonework
 - Cement fibreboards
 - Cementitious paints
 - Aerated concrete
 - Suitable as a primer for exterior paints
- Will preserve the natural appearance of the substrate and prevent staining

LIMITATIONS

- Use only in well ventilated areas
- Cover windows and other non-absorbent surfaces properly because the product cures so quickly it is very difficult to remove after a few hours. Wipe off splashes immediately
- This product is not suitable for rendering gypsum plaster water repellent

PACKAGING

- 5lt and 20lt Kits

STANDARD COLOUR AVAILABILITY

Clear, hazy



PRODUCT INFORMATION

- **Number of Components:** 1
- **Density:** 0.77 kg/litre
- **Spreading Rate:** litres/ Square Meter
 - **Concrete** - 0.25 to 0.5
 - **Plaster** - 0.5 to 1.0
 - **Brickwork** - 0.4 to 2.0
 - **Natural Stone** - 0.05 to 3.0
- **Temperature Resistance:** Dry 80°C
- **Viscosity:** Water Thin

SURFACE PREPARATION

- All surfaces shall be dry, clean, firm and free from dust, oil, grease, dirt and any other contamination before painting
- Remove oil, grease, dirt and any other contamination with **Speccoats Hydrosolve**. Followed by several fresh water rinses to remove traces of detergent
- Allow thorough drying out



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APPLICATION

Mixing – Two Components

- Stir the base component well with a flat-bottomed paddle or mechanical mixer until product is uniform.

Application – Equipment & Methods

| | |
|----------|---|
| Flooding | Flooding, preferably not under pressure is the best technique for applying the material, which is ready for use. Apply several coats until the substrate is saturated. Generally two applications are sufficient. The requisite quantity depends on the absorpency of the surface |
|----------|---|

Thinning

- Not required

Cleaner

- Cleaning is done with **Speccoats SA65 Thinners (Dry Paint)**

APPLICATION ENVIROMENT

| Level | Surface Temperature | Ambient Temperature | Relative Humidity |
|---------|---------------------|---------------------|-------------------|
| Minimum | 5°C* | 5°C | 0% |
| Maximum | 40°C | 40°C | 85% |

*or 3° above the dew point

DRYING TIME

Recoating time

When previous material has been absorbed & when the surface is no longer shiny

STORAGE AND HANDLING

Storage - Store at temperatures between 5°C and 40°C, away from direct sunlight, open flames or sparks

Flash Point - 40°C

Shelf Life - Minimum 1 year when packed in original containers

HEALTH AND SAFETY

- Flammable – keep away from sources of ignition – No smoking!!!
- Adequate ventilation should be provided during use
- Avoid contact with the skin by using gloves, barrier creams and face mask
- If the product comes into contact with the skin, wash immediately with lukewarm water and soap, if the eyes are affected flush with water of diluted boric acid solution and seek medical attention immediately
- Refer to Material Safety Data Sheet (MSDS)

DISCLAIMER

Whilst we endeavour to ensure that all advice we give about the product is correct, the information given in this data sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so entirely at his own risk. As conditions of use, method of application and suitability of the substrate prior to painting are beyond our control, no guarantee is implied by the recommendations contained herein. We therefore do not accept any liability whatsoever or howsoever arising from the performance of this product or for any loss or damage arising out of the use of this product. The information contained in this sheet is liable to modification from time to time in the light of experience and ongoing product development programmes. It is the user's responsibility to ensure that this sheet is current prior to using the product. **ISSUE DATE 17/11/2010**