

## NIPO SEALER 405WB

### Water Based

#### DESCRIPTION

An aqueous penetrating capillary solution which provides surface protection and up-to 2mm in-depth impregnation of the substrate.

*Sealer 405WB* reacts with the interfaces in pores and capillaries of the mineral surface and forms invisible water-repellent interfacial compounds.

Except for cracks and structural flaws, *Sealer 405WB* will protect the concrete from water seepages; leaving the original appearance unchanged.

#### MINERAL SUBSTRATES

- Concrete
- Cement Fibre Board
- Brick (end wall)

#### APPLICATION

*Sealer 405WB* should be shaken well before use.

Do NOT atomise the solution using a brush or roller.

- Spraying by airless pumping equipment
- By Flooding



Before application, substrate must be clean, free of oil, dirt and laitance and any other contaminations including old paints. Ideally, the surface must be dry and clean.

Acceptable surface cleaning methods may include sandblasting and water blasting.

A substrate which has already been made water repellent will not allow further penetration of this solution.

Non-absorbent substrates such as metal, glass or plastics should be covered before application.

#### Outdoor

During application, outside and surface temperatures should be between 5°C and 40°C.

Avoid strong winds and rain.

#### APPLICATION – For Vertical Surfaces

Apply *Sealer 405WB* from the bottom of the wall upwards.

*Sealer 405WB* should run down in the form of a clearly visible descending wet curtain.



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*Sealer 405WB* should be applied by wet-on-wet flow coating to the saturation point.

Allow *Sealer 405WB* to flow against the surface of the substrate without pressure.

#### **APPLICATION – For Horizontal Surfaces**

Saturate in a single application; keep the surface flooded.

*Sealer 405WB* should be applied by wet-on-wet flow coating to the saturation point.

If required, it should be applied in 2-3 coats without drying between coats.

#### **MANAGEMENT OF OVERRUNS**

Prevent running of solution into the sewer.

Cover outlet prior to application.

Recover *Sealer 405WB* upon completion of application.

The recovered material may be re-used for subsequent projects.

#### **CLEANING**

Upon removal of excess *Sealer 405WB*, wipe immediately. Standing *Sealer 405WB* should be removed as quickly as possible (within 1 hour).

Otherwise, a silicone resin film will cause the surface to end with a glossy finish.

To remove glossy finish :  
Wipe off such films using ethanol or spirit to retain substrate's original finish.

#### **HUMAN TRAFFICABILITY**

Typically, the surface can be reopened to human traffic when fully dry. Allow approximately 12 hours.

The water repellent effect can develop within minutes or require up to several days depending on porosity of substrate or weather conditions.

#### **ALWAYS WEAR PROTECTIVE GLOVES/CLOTHING/EYE PROTECTION**

Adopt good practices: no eating, drinking nor smoking at all stages of application.

*Sealer 405WB* may cause skin irritation. Wash with plenty of soap and water.

#### **LIMITATIONS**

- Won't keep water out of cracks, defects or open joints
- In-can agitation is required (prior to opening the container) to ensure particle suspension from settling
- Excess *Sealer 405WB* must be wiped dry using a damp cloth to avoid a glossy finish.

Do not allow water to sit on newly treated substrate when sheen is not desired

#### **COVERAGE**

The amount used is highly dependent on the absorbance of the substrates and the desired penetration depth.

For maximum absorption into substrates, up to 1 litre per m<sup>2</sup> may be required

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## IMPORTANT NOTES

Despite the treatment, residual water may remain in the substrates.

*The leaks will continue for another 3-5 days or until the retained water in the substrate is removed/dried up.*

If water leaks persist, the water source may be from another area.

The treatment does not cover nor protect new cracks on previously treated substrates.

TYPICAL PROPERTIES	
<i>Colour</i>	White
<i>Specific Gravity</i>	Approx 1.0
<i>Shelf Life</i>	12 months
<i>Flash Point</i>	>70°C
<i>pH value</i>	6-8 @ 20°C

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*Dated May 2022*