



a.b.e.® Construction Chemicals wallseal

SILOXANE WATER REPELLENT

DESCRIPTION

wallseal is a one-component siloxane waterproofing solution.

USES

wallseal is designed to deposit a non-flammable, dry water-repellent film of silicones within the capillaries of porous surfaces that would otherwise discolour through moisture uptake and stain as a result of deposition of water-borne contaminants and dirt. This water-repellent film permits the substrate to 'breathe'. wallseal will assist in stabilising lime in plaster surfaces.

ADVANTAGES

- Brush or spray applied direct from container.
- Equally effective on new or old surfaces.
- Preserves natural colour and texture of treated material.
- Allows surface to breathe.
- Reduces the risk of efflorescence and frost spalling.
- Inhibits penetration of soot and grime.
- Reduces unsightly staining; unaffected by salt laden atmosphere.

SURFACE PREPARATION

The surface to be treated should be clean, sound and dry. It should be free from dust, dirt, loose particles and oily or greasy deposits.

The surface should be dry to allow maximum penetration of wallseal. No application should be made for at least four days after rain.

Plaster should be at least seven days old before coating and concrete should cure for at least 28 days.

BONDING/PRIMING

No special primer required.

TYPICAL PHYSICAL PROPERTIES OF WET MATERIAL

Colour	Clear – water white
Flash point	23°C
Fire resistance	Flammable
Dilution	Do not dilute
Consistency	Low viscosity liquid
Drying time @ 25°C	Touch dry: +1 hour Hard dry: +24 hours Full cure: +5 days

TYPICAL PHYSICAL PROPERTIES DURING APPLICATION

Volume solids	5%
Number of coats	2 coats
Over-coating time between coats	Minimum 2 hours

TYPICAL PHYSICAL PROPERTIES OF DRY FILM

Fire resistance of dry film	Non-flammable
Water resistance of dry film	Not suitable for immersed conditions

TYPICAL PHYSICAL PROPERTIES DURING APPLICATION

Volume solids	5%
Number of coats	2 coats
Over-coating time between coats	Minimum 2 hours

MIXING

Stir well before use.

COVERAGE

3 - 5 m²/L depending on porosity of substrate.

APPLICATION

wallseal should be applied by brush or through a low pressure knapsack sprayer. Application should commence from the highest point of the surface and work down the surface. Some run-down of the coating is permissible but should not exceed 250-300mm. A second coat may be given but only after at least two hours drying time between coats.

wallseal is highly volatile. Avoid working in full sunshine to achieve maximum penetration. Confine activities to the shadow side of the structures.

CLEANING

Tools, brushes and mixing equipment should be cleaned immediately after use and before material has set with **abe® super brush cleaner** followed by washing with soap and water.

PROTECTION ON COMPLETION

May be overpainted with a high quality PVA/acrylic coating.

TEMPERATURE AND RELATIVE HUMIDITY

Application temperature: 5°C to 30°C. Do not apply if rain is imminent.

MODEL SPECIFICATION

One-component silane siloxane water-repellent solution.

The water repellent will be **wallseal**, a one-component, silane siloxane liquid applied in accordance with the recommendations of **a.b.e.® Construction Chemicals**. The liquid will have a minimum of 5% volume solids content.

PACKAGING

1L, 5L, 25L and 200L containers.

HANDLING & STORAGE

This product has a shelf life of 12 months if kept in a dry cool place in the original packaging. In more extreme conditions this period might be shortened.

HEALTH & SAFETY

Toxicity: Solvents are toxic Water tainting: Does not taint water Fire resistance of wet film: Flammable

Ensure working area is well ventilated during application and drying. Avoid flames in vicinity. Always wear gloves when working with the material and avoid excessive inhalation and skin contact.

If material is splashed into the eye, wash with plenty of clean water and seek medical attention.

Cured **wallseal** is inert and harmless.

IMPORTANT NOTE

This data sheet is issued as a guide to the use of the product(s) concerned. Whilst **a.b.e.® Construction Chemicals** endeavours to ensure that any advice, recommendation, specification or information is accurate and correct, the company cannot - because **a.b.e.®** has no direct or continuous control over where and how **a.b.e.®** products are applied - accept any liability either directly or indirectly arising from the use of **a.b.e.®** products, whether or not in accordance with any advice, specification, recommendation, or information given by the company.

FURTHER INFORMATION

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements. **a.b.e.® Construction Chemicals** has a wealth of technical and practical experience built up over years in the company's pursuit of excellence in building and construction technology.



a.b.e.® is an ISO 9001:2008 registered company
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