

## *technical data sheet*

# **AQUASHIELD SB40**

### **High Performance Penetrating Invisible, Breathable, Hydrophobic Concrete Sealer**

#### **DESCRIPTION**

Bostik Aquashield SB40 is a protective water-resistant sealer to protect and treat masonry and cementitious structures for the prevention of water absorption. Used in conjunction with both Paveseal SB and Paveseal SB Textured to form a complete concrete protection system that is highly penetrative to form an invisible, breathable impregnating sealer.

Aquashield SB40 impregnates concrete to protect from ingress of salts, chlorides. It protects reinforced concrete from waterborne chloride ions making it an ideal protective surface treatment.

Aquashield S40 is designed to impregnate the concrete surface and permanently bond to the molecular structure of the concrete, thus changing its absorption characteristics.

#### **RECOMMENDED USES**

- Protect and treat masonry and cementitious structures from ingress of water and chemicals.
- Used as a primer for Paveseal SB.
- Protection of reinforced concrete.
- Prevention and minimising of rising damp in basements or below level floors and walls.
- Sealer for all masonry, concrete, timber surfaces.

#### **FEATURES & BENEFITS**

- Non staining liquid
- Allows surfaces to breath
- Reduces salt and water intrusion by up to 90%
- Penetrates into porous surfaces
- Prevents corrosion of reinforcement bars
- Prevents dampness inside buildings, prevents rising damp.
- Colourless and clear
- Repels Water
- Able to minimise eliminates efflorescence, alkali, silica reactions and freeze thaw problems.
- Breathable, will not trap moisture.
- Suitable for indoor and outdoor (UV stable)
- Reduces mould and moss growths.
- Seals cracks up to 3mm reducing water ingress.
- Allows water vapour to escape from structure.
- Australian Made

#### **PERFORMANCE PROPERTIES**

TEST	RESULT
Colour	Clear, colourless liquid
Finish	Invisible penetrating film
Volume Solids	Approx 40%
Specific Gravity	0.80 kg/litre
Recoat Time	2 hours at 20°C
Pot Life	Indefinite (dries by solvent evaporation)
Full Cure	24hrs at 20°C
Resistant to chloride ion penetration	> 92%
Resistant to water absorption	> 85%

#### **PACKAGING**

Aquashield SB40 is available in 4 Litre pails, 20 Litre pails, 200 Litres in Drums.

#### **COVERAGE**

5 square meters per 1 litre depending on surface porosity. Overcoating time 2 hours at 20°C. 2 flood coats are recommended for a minimum effective treatment.

#### **APPLICATION INSTRUCTIONS**

##### **Surface Preparation**

All surfaces should be dry and free from contamination such as oil, grease, loose particles, decayed matter, moss, algae growth, laitance and all traces of mould release oils and curing compounds. This is best achieved by lightly grit blasting the surface. Where moss, algae or similar growths have occurred, treatment with a propriety biocide should be carried out after the grit-blasting process surface has been obtained. Cleaning by water method is also effective, surface cleaned should be allowed to stand for min 24hrs prior to application of Aquashield SB40

##### **MIXING**

Use straight from the container, no mixing required.

**DO NOT DILUTE WITH SOLVENTS.**

## PLACING

Aquashield SB40 should be applied in two flood coats until the recommended total application rate of 0.2 litres/m<sup>2</sup> (5sqm per litre) has been achieved. Aquashield SB40 may be applied by brush, roller or spray application. Aquashield SB40 should be allowed to dry for a minimum of 2 hours (at 20°C) before continuing with re-coating.

## PRECAUTION

- Not designed as a waterproofing compound.
- Do not thin or dilute
- Do not apply on damp or wet surfaces.
- Not abrasive resistant

## P.A.T.S (Pretested Adhesion To Substrate) Programme

Bostik offer a service in which a program has been established to eliminate potential field problems by pre-testing Bostik adhesives with samples of building materials to which the adhesive will be applied. This service is available on large projects where pre-application testing will aid in determining the proper surface preparation method to achieve optimum adhesion. Consult a Bostik representative for further information.

## HEALTH AND SAFETY

- Keep away from sources of ignition - No Smoking
- Avoid contact with eyes and skin, avoid breathing vapours.
- Do not empty into drains.

## First Aid

If poisoning occurs, contact a doctor or Poison Information Centre. If swallowed do NOT induce vomiting. Give a glass of water. On contact with eyes, rinse immediately with water.

## Risks

May cause lung damage if swallowed, irritating to eyes, respiratory system and skin.

## Spills/Leaks

Restrict access to spillage area. Provide adequate protective equipment and ventilation. Remove source of ignition. Prevent material from entering sewers and confined spaces. If possible cover liquid with earth, sand or absorbent material which does not react with spilled material.

*The representations and recommendations regarding the products are based on tests which we believe to be reliable. However, no guarantee of their accuracy can be made because of the great range of field conditions and variations encountered in raw materials, manufacturing equipment and methods. Thus, the products are sold with a limited warranty only, and on the condition that purchasers will make their own tests to determine the suitability of the product for their particular purposes. Under no circumstances will Bostik Findley Australia Pty Ltd be liable to anyone except for replacement of the products or refund of the purchase price.*

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- For more detailed information refer to the Material Safety Data Sheet.

## CLEAN-UP

Clean all tools and equipment with Bostik Solvent 9907

## STORAGE

Store between 10°C and 30°C. Shelf life is 1 year in original unopened container. Keep away from sources of heat and naked flames.

## FIRE

Aquashield SB40 is Flammable.

ITEM NO.	STOCK SIZE
289426 Aquashield SB40	4 Litre Clear
292443 Aquashield SB40	20 Litre Clear
292990 Aquashield SB40	200 Litre Clear



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