



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 SB40 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 0.3mm 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/m² (5sqm per litre) has been achieved. Aquashield SB40 maybe 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.
- For more detailed information refer to the Material Safety Data Sheet.

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.

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

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 Australia Pty Ltd be liable to anyone except for replacement of the products or refund of the purchase price.

ALL SALES ARE EXPRESSLY LIMITED TO THE TERMS AND CONDITIONS OF SALE OF BOSTIK AUSTRALIA PTY LTD

FOR FURTHER INFORMATION



BOSTIK
AUSTRALIA PTY LTD
Phone: +61-3-9279 9333
Fax: +61-3-9279 9240

BOSTIK
NZ LIMITED
Phone: +644-567 5119
Fax: +644-567-5412

BOSTIK
SINGAPORE PTE LTD
Phone: +65-6863 4088
Fax: +65-6863 4077

BOSTIK
(MALAYSIA) SDN BHD
Phone: +606 678 9788
Fax: +606 678 9766

SYDNEY
Phone: 02 8825 3488
Fax: 02 8825 3411

ADELAIDE
Phone: 08 8244 0511
Fax: 08 8244 0522

PERTH
Phone: 08 9331 7666
Fax: 08 9331 7677

BRISBANE
Phone: 07 3260 2206
Fax: 07 3260 2123

(ABN 79 003 893 838)

Product:	Aquashield SB40
Issue Date:	24 th Ma 2005
Issue No:	2
Division:	Building & Const
Total Pages:	2