

SAFETY DATA SHEET

BOND AND SEAL

DESCRIPTION:

BOND & SEAL is an acrylic based multi-purpose sealer and water-proofer which is white in colour but cures transparent.

BOND & SEAL will remain tacky after curing and requires over-coating.

PREPARATION OF SURFACES:

All surfaces must be clean, free from any contaminations and must be completely dry. All rusted screws must be replaced. Remove all loose particles from the substrate. Ensure when doing concrete roof and decks, that the screed is laid to falls. It is strongly recommended to prime with **BOND & SEAL** prior to application. When used as a cementitious water-proofer, surfaces should be damp but not saturated.

PRODUCT USES:

1. Waterproofing primer for masonry, plaster and concrete.
2. Sealing of gypsum plaster prior to painting.
3. Bonding agent for tile adhesive.
4. Keying agent for tiling.
5. Cementitious waterproofing slurry.
6. Primer for wood, steel and masonry surfaces.
7. Primer for 'FIBASEAL'.
8. Additive for Portland cement as a curing and adhering agent.
9. Additive for tile grout to waterproof and seal.
10. Additive to paint to enhance flexibility.

APPLICATION:

1. Waterproofing Primer –
Apply diluted three parts water one part **BOND&SEAL** with a roller or paint brush to concrete, plastered or masonry surfaces. Allow to cure (when transparent), this will depend on the porosity of the surface. Overcoat with paint or waterproofing compound.
2. Sealing of gypsum plaster –
Applied as in '1' above, **BOND & SEAL** will penetrate and bind the surface thereby allowing painting immediately.
3. Bonding agent for tile adhesive –
Use diluted 50/50 with water and add to tile adhesive. This will increase the adhesive quality and is recommended when tiling with porcelain or natural stone. When tiling with non-porous tiles i.e. slate, use undiluted. THE ADHESIVE MAY TAKE LONGER TO SET.

4. Keying agent for tiling –

Mix undiluted with Portland cement or tile adhesive to form a paintable slurry, apply to surface to be tiled. Excellent adhesion quality is achieved.

5. Cementitious waterproofer –

Dilute 75% **BOND & SEAL**, 25% water to ordinary Portland cement to form a paintable slurry. Ensure the surface is damp to touch (NOT PONDING). Apply in conjunction with an approved membrane to form a waterproof system. Allow 24 hours then apply a thin second coat, no membrane.

6. Primer –

BOND & SEAL will adhere to almost any surface, it is extremely soft and flexible and will remain tacky until over-coated with an approved coating, it is however not UV stable, so should not be exposed to weather. Apply 50/50 with water or undiluted as a primer.

7. Primer for FIBASEAL –

Apply as a primer for 'FIBASEAL', dilute 50/50 with water.

8. Additive for Portland cement –

Adding **BOND & SEAL** to your plaster or concrete will assist in adhesion and waterproofing of the mix. **BOND & SEAL** will retain water within the mix thereby assisting with the curing process. Suggested rations are 1 litre per 50kg bag of cement, however, the more **BOND & SEAL** added, the more flexible and waterproof the mix. **BOND & SEAL** also increases the tensile strength of mortar and plaster and helps eliminate hairline cracking in plastering exposed to afternoon sun.

9. Additive for tile grout –

Use undiluted and mix with tile grout; this will increase flexibility and waterproofing qualities of the grout.

10. Additive for paint –

Add to paint (about 10% depending on the paint quality), this will increase the adhesion and flexibility.

TECHNICAL INFORMATION:

Type	Styrene Acrylic
Finish	Semi-sheen
Curing time @ 25 degrees	Touch dry: 1 Hour. Full cure: 24 Hours
Re-coating time	When transparent
Flexibility	120%
Storage	Dry and cool area
Available quantities	1kg, 5kg
Colour	White
Spreading rate	250ml per square metre, depending on the porosity of the surface

POLYMER PROPERTIES:

Solids content	%	47 ± 1
Viscosity at 25°C (UK Viscometer RV8 Spindle 4rpm 100)	cP	1000-1500
pH		7.5-8.5
Specific gravity at 25°C		1.02
Minimum film formation temp	°C	± 8

PRECAUTIONS:

Do not apply when rain is imminent and apply in temperatures of preferably 20 degrees. Store in a cool area and out of reach of children. The product is suitable as a submersible waterproofer when used in conjunction with ordinary Portland cement.

SAFETY PRECAUTIONS:

If consumed, consult a Physician immediately.

Eye contact: Wash out eyes with clean water and consult a Physician.

Skin contact: Wash thoroughly with soap and water.

WARRANTY:

The recommendations contained herein are given in good faith and are meant to guide the specifier and user. No guarantee is implied by the recommendations contained herein since conditions of use, method of applications, suitability and cleanliness of the substrate prior to the application are beyond our control.

Pro Building Products warrants that the product manufactured by it shall be free from material defect and will conform to the formulation standard and contain all components in their proper proportion. Should any of the products be proved defective, the liability to Pro Building Products shall be limited to replacement of the material proven to be defective and shall in no case be liable otherwise for incidental or consequential damages.

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