

# HOME SHIELD

## TANKSHIELD PW

**BERGER**  
**(HOME SHIELD)**  
Complete Waterproofing Solutions



### Product Attributes



**Waterproofing**  
Waterproof concrete structures

**Water permeability**  
Remarkable resistance towards ingress of water



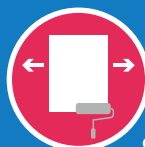
**Usability**  
Easy to mix and apply pre-batched components  
Brushable consistency

**Adhesive properties**  
Excellent adhesion to concrete, natural and artificial stones



**Temperature resistance**  
Enhanced resistance to freeze-thaw cycles & de-icing salts

**Slip resistance**  
Imparts slip resistance to the applied surface



**Flexibility**  
Provides flexible coating

**Corrosion Protection**  
Non-corrosive to steel and iron



**Green Pro Certified**  
Validates our effort in striving towards cleaner, more sustainable future

### Product Description

Home Shield Tankshield PW is a two-component polymer modified cementitious waterproof slurry mortar consisting of a liquid polymer and a cement – based mix incorporating graded aggregates and additives. It is applied over concrete and mortar, which on curing forms an excellent waterproof and protective semi-rigid layer over the surface and thus prevents water infiltration.

### Recommended Use

- Potable water tanks and Swimming pools
- Exterior waterproofing of basement retaining walls
- Interior & exterior waterproofing and damp-proofing of old and new concrete
- Bridge decks, canals, sewage treatment areas etc.
- Waterproof bottom coating for tiles, granite, marble and other natural stones

### Toxicity



Non – toxic.  
Can be used for potable water containing structures

### Mixing Ratio



Part A (Liquid) : Part B (Powder) -  
Approx. 1 : 1.5 (by vol.) ; 1:2 (by wt.)

### Aspect



Part A: White Liquid  
Part B: Dark Grey Powder  
Part A + Part B = Grey Slurry

### Mixed Density



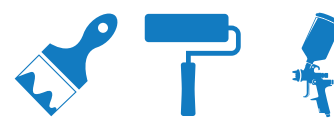
1.65 gm/cc @25° C

### Coverage



1.7 – 2.1Kg /m<sup>2</sup> / 2 coats

### Application Method



Brush/ Roller / Spray

PROPERTIES	CODE	VALUE
Tensile strength ,N/mm <sup>2</sup>	ASTM D 882- 12	0.51
Elongation at break, %	ASTM D 882- 12	57
Positive hydrostatic pressure	DIN 1048	passes 3 bar
Negative hydrostatic pressure	DIN 1048	passes 2 bar
Mixed density at 25 °C , g/cc	Lab method (by calibrated hydrometer)	1.65
Crack bridging ,mm	ASTM C 1305	1

# HOME SHIELD

## TANKSHIELD PW



### Packs



15 Kg



**Pot Life**  
1 hour

**Shelf Life**  
12 months from the date  
of manufacture

### Surface Preparation

- The surface to be applied should be clean & sound, free from any kind of contamination, dirt etc. Thoroughly wire brush the surface & clean the dust by air compressor or by water jetting.
- Oil & grease must be removed using degreasing solvents.
- Any damaged surface must be repaired by using crack fillers or Home Shield Advanced Latex Plus.
- Finally the substrate must be properly pre-wetted to a saturated surface-dry condition.

### Mixing

- Shake well the liquid component to a homogenous milky colour.
- Transfer entire quantity of liquid component before mixing into a suitable clean mixing container.
- Gradually start adding powder component under constant mixing with a stirrer using an electric power tool (1kw) at slow speed at 250 – 300 rpm for 3- 5 minutes till homogeneous and uniform free flowing slurry is obtained.

### Directions for Application

#### Concrete slabs or roof slabs

Apply two coat of mixed slurry to be applied to the set concrete @ 1.7 – 2.1 kg/m<sup>2</sup> by a masonry brush, roller or appropriate power spray equipment.

#### As a slurry coat

Apply slurry coat of mixed material for two coats at a coverage rate of 1.5 kg/m<sup>2</sup> over the set concrete slab by a masonry brush or appropriate power spray equipment.

#### Water tanks and Swimming pools

Two coats of Latex Shield 2K to be applied @ 1.6 – 1.8 kg/m<sup>2</sup> per coat by a masonry brush or an appropriate power spray equipment.

#### Pile Heads

Two coats of mixed slurry to be applied on to the pile head @ 0.8 – 1.0 kg/m<sup>2</sup> first coat and 1.2 - 1.5 kg/m<sup>2</sup> second coat either by a masonry brush or by appropriate power spray equipment.

#### Marbles/Stones

It is recommended to apply one coat at the bottom of the marble @ 1.5 mm thick at a coverage of approximately 1.75 - 2 kg/m<sup>2</sup>.

All applications where two coats are specified, the second coat should be applied when the first coat is completely dry.

#### Over-coating

Over- coating time for the second coat is (4 – 6) hours.

For over - coating, allow the second coat to harden for at least 24 hours prior to over coating.

The treated area should be protected from direct sunlight and to be damp cured by covering with damp hessian or similar material.

### Precautions

- Do not mix part quantities
- Do not add extra water for dilution
- Always add powder to the liquid, vice – versa not recommended
- Do not add cement or sand in the powder component at site
- Do not expose the applied substrate to water until it is completely cured
- Applied surface must be protected from direct sunlight, foot traffic at green stage of application

### Storage

- Store under cover, away from direct sunlight and protect from extreme environment.
- In hot temperature conditions, it must be stored in 30 °C controlled temperature.

### Health & Safety

- While using Tankshield PW use rubber hand gloves, dust mask and safety goggles.
- Tankshield PW is alkaline and contact with skin or eyes should be avoided.
- In case of any contact to eyes should be washed immediately with clean water and seek medical advice.

Version No: BPP1/03/2025. Please note that this data sheet supersedes all previous versions.

### BERGER PAINTS INDIA LIMITED

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