

HOMESURE WSHIELD BITU CHAMP

Rubberized Waterproofing Liquid Membrane

HOMESURE WSHIELD BITU CHAMP is a high-performance, cold-applied, rubberized liquid waterproofing membrane formulated from a sophisticated blend of specially selected resins, synthetic rubber, stabilizers, advanced minerals, gelling agents, and water-repelling fillers. This versatile waterproofing solution offers exceptional flexibility, adhesion, and durability across a wide range of applications, providing seamless protection for both new and existing structures.

KEY FEATURES

- ✓ Single-component, cold-applied, highly elastic rubber-like membrane.
- ✓ Excellent adhesion and wetting properties for superior bonding.
- ✓ Enhanced durability through advanced additives.
- ✓ Seamlessly adapts to irregular and contoured surfaces.
- ✓ Anti-fungal, anti-corrosive, and root-resistant properties.
- ✓ Outstanding weather resistance, ensuring long-term performance.

BENEFITS

- ✚ Ready-to-use with no mixing or heating required, reducing labour and application time.
- ✚ Forms a seamless, durable waterproofing barrier.
- ✚ Superior resistance to peeling, chipping, and premature degradation.
- ✚ High resistance to oxidation, UV exposure, and ozone.
- ✚ Flexible enough to accommodate structural movements and thermal expansion/contraction.

RECOMMENDED APPLICATION AREAS

- ❖ Concrete roofs and slabs
- ❖ Polyurethane foam slabs and polyester built-up roofs
- ❖ Maintenance and rejuvenation of existing roof systems
- ❖ Masonry and concrete walls
- ❖ Bridges, basements, podium slabs, and green areas
- ❖ Planter boxes, bathrooms, decks, and metal surfaces
- ❖ Suitable as a sandwich membrane for new construction and a protective topcoat for existing slabs

APPLICATION PROCEDURE

SURFACE PREPARATION

- All surfaces must be structurally sound, clean, dry, and free from dust, loose particles, oil, grease, and contaminants.
- Concrete surfaces must be fully cured, smooth, and dry.
- Existing asphalt and concrete surfaces should be primed before application.
- All cracks, splits, and seams must be properly repaired before applying the membrane.

PRIMING

- Prepare the surface with a primer coat by diluting Homesure WShield Bitu Champ with water in a 1:2 ratio.
- Allow the primer coat to dry completely before applying the main waterproofing coats

APPLICATION METHOD

- Homesure WShield Bitu Champ can be applied using brushes, squeegees, standard roofing brooms, or airless spray equipment.
- Check the product viscosity to ensure smooth spraying if using spray equipment.
- Apply the first coat directly onto the primed surface.
- Embed a glass fibre reinforcement layer into the first coat while still wet, if required.
- Allow 8-10 hours for full curing before applying successive coats.
- For improved workability, the first coat may be diluted with up to 20% water, and the second coat with up to 10% water.

CLEANING

- Tools should be cleaned immediately after use with clean water.
- For dried material, cleaning with an appropriate thinner may be required.

PACKAGING

1 kg, 5 kg, 10 kg, 20 kg. pail, & 50 kg, 200 kg. Drum

TECHNICAL SPECIFICATIONS		
Property	Test Method	Value
Appearance	Visual	Smooth, thick paste
Solid content	ASTM D1644-03	55 ± 2%
Colour	Visual	Black
Viscosity at 25°C	Spindle No: 7	50000 – 70000 cP
Specific gravity	ASTM D1475-03	0.98 ± 0.10
Tack free time at 35°C	Internal test	Max. 12 hours
Drying time at 25°C	ASTM D1640-03	30 – 40 minutes
Tensile strength	ASTM D412-98	0.8 ± 0.3 N/mm ²
Tensile set recovery	Internal test	95%
Elongation at break	ASTM D2270-98	> 1300%
Tear resistance	Internal test	28 ± 10 kN/m
Service temperature	120°C / 24 hours	No shrinkage / brittleness
Chemical resistance	10% salt solution	No change
Chemical resistance	5% caustic soda	No change
Chemical resistance	5% sulphuric acid	No change
Water vapor transmission	ASTM E96-95	0.46 g/h/m ²

COVERAGE

- Approximately 9 – 12 square feet for a 2-coat system, achieving a Dry Film Thickness (DFT) of 900 microns to 1 mm.
- Actual coverage may vary depending on surface texture and porosity.

SHELF LIFE & STORAGE INSTRUCTIONS

- ✚ 18 months from the date of manufacturing when stored in unopened, original sealed and dry condition at a temperature range from +5°C to 30°C
- ✚ Store in dry and well-ventilated place away from heat source or direct sunlight.

HEALTH & SAFETY INFORMATION

- ✓ Refer MSDS for information and advice on the safe handling, storage and disposal of chemical products.
- ✓ Use rubber hand gloves & safety goggles, while using product
- ✓ Avoid contact with skin/eyes and avoid swallowing. In case of contact with skin, wash with plenty of water.
- ✓ Ensure adequate ventilation and avoid inhalation of vapour
- ✓ Spillages of WShield Bitu Champ can be removed with water. Do not use solvent to clean the contacted area.
- ✓ Keep out of reach of children