

POLYMER MODIFIED WATERPROOFING COATING
DESCRIPTION

BLOCKSEAL is two-part waterproofing membrane comprising of a liquid component of selected polymers and a powder component of selected cements, fillers and aggregates. BLOCKSEAL is a waterproof, cement based, heavy-duty masonry coating which provides a strong, hydrostatic resistant waterproofing membrane. BLOCKSEAL is ideal for ponding situations such as water holding tanks, water features, planter boxes as well as non-submersible conditions eg. rooftops, terraces and balconies etc.

After application, the material will dry in 2-4 hours and will set up in 24 hours to form a hard, waterproof protective coating that essentially becomes an integral part of the concrete or masonry surface. (*Curing times may be affected dependent upon project conditions.*)

BLOCKSEAL can be used anywhere a waterproof masonry coating is required or desired. It is especially effective on masonry walls where it is applied, either as a finish waterproofing coat or mixed with clean washed sand as a heavy coat to conceal mortar joints and to bring wall surfaces to true.

BLOCKSEAL can also be used to eliminate the very time consuming and expensive method of rubbing concrete surfaces to obtain smooth and homogeneous surfaces.

BLOCKSEAL provides a uniform, consistent appearance to any concrete or masonry surface and can be applied by brush or roller. BLOCKSEAL is ideal for waterproofing block, brick, stone, concrete, and other types of masonry. BLOCKSEAL can be used inside or outside, above grade or below grade.

ADVANTAGES

- Waterproof coating
- Withstands hydrostatic pressure
- Out-performs paint-type coatings
- Uniform, consistent appearance
- Suitable for submersible conditions

DIRECTIONS FOR USE
Mixing:

One BLOCKSEAL 10lt part B liquid per BLOCKSEAL 20Kg part A powder

Mixing should be done utilizing a mechanical mixing paddle. Whilst mixing slowly, add BLOCKSEAL powder to Part B liquid ensuring a blend to produce a thin, paste-like consistency.

If mixture sets before application, do not use, discard material

Surface Preparation:

Surfaces must be sound and free of any dirt, oil, paint, coatings, laitance, loose matter, etc. that may impede bonding. Exposed reinforcement, honeycombed, pitted concrete should be repaired first using both Penetron (Slurry Form) & Penecrete Mortar. Flowing water must be stopped using Penepug or Waterplug. (*Consult your Penetron Representative for further information*)

Surface Preparation: Clean surface area of all dirt, oil, paint, coatings, laitance, loose matter, etc. Tie rod and other holes, cracks, spalled areas and other large surface voids should be properly patched. Tie rod ends and other steel must be cut back to a minimum depth of 1" (2.5 cm) before patching.

Application Procedure

Small ponds, fountains, retaining wall, roofs, concrete slabs: Apply a minimum of two coats to give a dry film thickness of at least 1.5mm.

Large tanks: Apply a minimum of three coats to give a dry film thickness of at least 2mm.

Swimming pools: Apply a minimum of three coats to give a dry film thickness is at least 2.5mm. The membrane should be suitably rendered with a suitable bonding agent incorporated in the render then tiled with a tile adhesive designed for immersion.

Special Application Procedure:

Exterior Foundations and Above Grade Walls: After cleaning and preparing surfaces, apply parging coat to conceal mortar joints, and true the wall surfaces. For this purpose, add 11.3 kg clean, washed sand to each sack of BLOCKSEAL. After applying parging coat, let dry 12 hours, then seal surface with BLOCKSEAL using standard application procedure.

Basements - Inside Application: First repair all joints, cracks and holes. Running water can be stopped by applying WATERPLUG. To relieve any excess water pressure, tap pressure relief holes at the base of wall. Leave holes open until draining is complete (about 24 hours). Then fill holes with WATERPLUG and coat immediately with BLOCKSEAL. If dampness is present, brush on 2 coats of BLOCKSEAL.

Back Plastering: Before placement of backup units, apply one heavy coat of BLOCKSEAL. A minimum of 1.6 kg/m² will completely fill and seal mortar joints, cracks, pores, and voids on interior surface or exterior walls.

APPROXIMATE COVERAGE

The stated average coverage rate may vary depending upon substrate, site conditions, pervious state, surface conditions and application technique. Usually 1kg per m² per coat applied at a minimum of 2 coats and 3 for challenging applications.

CLEAN-UP

Clean all tools and equipment with clean water.

SPECIAL CONSIDERATIONS

Do not paint part of a wall at a time. The entire wall or section must be completed using consistent quantity of Part A to Part B to ensure uniform color. Always use a freshly mixed batch of BLOCKSEAL (less than 3 hours old).

DO NOT apply BLOCKSEAL at temperatures below 40°F (4°C) or to a frozen substrate. This product is not recommended for use in expansion or construction joints. For negative side waterproofing where a head of pressure is present, please refer to your Penetron Australia representative for project specific specifications.

SPECIFICATION

The information contained in this product data sheet is typical but does not constitute a full specification as conditions and specific requirements may vary from project to project. The instructions should be considered as a minimum requirement but the applicator or contractor must use their skill, knowledge and experience to carry out additional works as may be necessary to meet the requirements of the project. Specification for specific projects should be sought from Penetron Australia in writing.

PACKAGING

BLOCKSEAL Part A (Powder)	20kg pails
BLOCKSEAL Part B (Liquid)	10lt pails

STORAGE / SHELF LIFE

BLOCKSEAL must be stored in a dry enclosed area off the ground at a minimum temperature of 45°F (7°C). Shelf life when stored in proper conditions in unopened, undamaged packaging is 12 months from date of manufacture.

SAFE HANDLING INFORMATION

This product contains Portland cement and is highly alkaline. The use of rubber gloves, goggles and other appropriate protective gear during mixing and application is recommended. The product is considered low risk if used properly as intended. Observe safety precautions on packaging and MSDS. Powder contains cement and until fully wet the inhalation of powder dust should be avoided and the wearing of a suitable mask is recommended. The use of rubber gloves and eye protection is recommended. Avoid contact with eyes and skin. In case of eye contact, rinse immediately with plenty of water and seek medical advice. Refer to MSDS for additional safety precautions.

WARRANTY

PENETRON INTERNATIONAL LTD. warrants that the products manufactured by it shall be free from material defects and will conform to formulation standards and contain all components in their proper proportion. Should any of the products be proven defective, the liability to PENETRON INTERNATIONAL, LTD. shall be limited to replacement of the material proven to be defective and shall in no case be liable otherwise or for incidental or consequential damages.

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