



Hydraseal

Flexible Polymer Cement Waterproofing Slurry

Description

Hydraseal is a 2-component, flexible slurry based on a special synthetic resin dispersion and a blend of selected cements mixed with well-graded fillers. Hydraseal adheres to practically every surface, is flexible and fills hairline cracks, is waterproof, wear and weather resistant, It is permeable to water vapor and resistant to thawing salts.

Hydraseal fills and seals pores and voids for total protection against dampness and moisture penetration. In seals above and below grade on any masonry wall internally or externally against water and dampness. Protection against water damage, erosion, frost, spilling and weathering. Stop leaks in all kinds of cement based containers or tanks. Suitable for both walls and floors of swimming pools and concrete reservoirs. Hydraseal provide strong adhesion, high water tightness and keeps water out of lift pits and machinery. Hydraseal penetrates deep into pores of masonry and concrete, bonds tightly whilst still permitting water vapor transmission.

Object

- Basement walls, Retaining walls
- Foundation slabs, Sea walls
- Planter box, bathrooms and kitchen
- Waterproof coatings of water tanks, containers and water reservoirs, bathrooms, planter boxes, kitchens, pools, silos, gutters, etc.
- Waterproofing of buildings
- Protection and repair of balconies, terraces

Advantage

- Very economical
- Easy application, by brush or trowel in thin layer
- Excellent adhesion to all mineral based substrates such as concrete, mortar, brickwork
- Increased chemical resistance
- Non-toxic
- Flexible
- Slurry or trowel able consistency.
- Resistant to abrasion, dust free
- Resistant to frost and thawing salts

Instruction for Use

- Surface to be coated must be thoroughly clean grind or and wash off all defective materials and foreign matters such as paint, dirt, fungus. etc.
- Damp the surface immediately before application Apply Hydraseal as thick coat, lay it on the substrate and level it out. If Hydraseal starts to pull during application, dampen the wall again. Do not wet the surface excessively or allow pounding of water on the floor. Minimum application temperature is 8°C. If Hydraseal is applied during extremely hot or windy weather, surface curing is necessary. Apply several spray mist of water during the day to prevent to rapid drying for two coats application. The second coat should be applied the following day or before the material has cured of glazed for good bond.

Coverage

Depend on type of application. For low water pressure and dampness, brushes apply 2 even coats of Hydraseal at the rate of 2 kg/m² minimum per coat. For higher water pressure or extremely high infiltration, 3 coats may require.

Mixing Ratio

For brush application, mix Part A (Powder) with Part B (Liquid) at the mixing ratio 4: 1 By Wt. with a slow speed mixer until a homogenous, lump free mix is obtained. Do not mix more material at once than can be used within one half hour.

For patching application, mix Part A (Powder) with Part B (Liquid) at the mixing ratio 4.5 – 5.0 : 1 By Wt.

Packing

25 Kgs./Set.

Shelf Life

1 year with un-open.

Characteristics

Appearance :	Light Grey
Compressive strength :	380 ksc @ 28 Days
Flexural Strength :	120 ksc @ 28 Days
Bond Strength :	20 ksc @ 28 Days
Pot Life :	30 - 45 min.
Re-coat :	3-6 hr.
Density :	1.9 kg./l.

Precaution

Make sure surface preparation, instruction are followed before application and no rain for at least 3 hours after application. Hydraseal is non-toxic but it is alkaline in nature. Gloves and goggles should be worn. Any splashes to the skin or eyes should be washed off with plenty of clean water. In the event of prolonged irritation, seek medical advice.

Storage

Store under dry conditions and in unopened containers, not below + 5 °C.

Do not expose to strong sunshine. Keep well away from open flames.