

HYDROSEAL PX

Waterproof Slurry Coating

DESCRIPTION

HYDROSEAL PX is a cementitious waterproof slurry coating, for application to masonry and concrete substrates. Its unique composition produces insoluble crystals which effectively seal the micro-pores and capillaries to prevent the passage of water. It is a single component product which is just mixed with clean water and is easily applied by brush, trowel or spray equipment.

USES

HYDROSEAL PX is used for the effective tanking of substructures including retaining walls, basements and tunnels. It is also suitable for application to masonry walls to seal against rising damp.

ADVANTAGES

- Easily applied by semi-skilled labour.
- Excellent resistance to water.
- Excellent adhesion to both concrete and masonry substrates.
- Single component product.

Property	Value
Density	2200 kg/m ³
Compressive Strength	32MPa
Resistance to Water BS 1928:2000	7 bar
Application Temperature	5-30 °C

PROCEDURE

Surface Preparation: Substrates to which the HYDROSEAL PX is to be applied should be thoroughly cleaned and free from all loose material. Surface laitance should be removed by the use of wet grit blasting or high-pressure

water jet. This will ensure that an adequate key is provided for the applied coating. Steel substrates should be mechanically prepared using a grinder or grit blasting equipment to ensure it is cleaned back to a bright metal finish. The substrate should be consistent with no defects. Any repairs should be carried out using a suitable PREMCRETE repair product. The concrete sub-base should have a minimum compressive strength of 25MPa. The prepared substrate should be free from any live water ingress and should be saturated with clean water taking special care to remove any standing water before application of the coating begins.

Substrate Priming: Application of HYDROSEAL PX to a vertical surface does not typically require the use of a primer. Highly porous substrates may require sealing with EPOPRIME AC, however when HYDROSEAL PX is to be applied to a floor or deck, then the substrate should be primed with EPOPRIME AC to prevent any out-gassing of the substrate occurring.

Mixing: HYDROSEAL PX should be mixed with approximately 8-9 ltrs of water using a forced action paddle mixer. The correct quantity of water should be added to a suitable mixing vessel before slowly adding the powder whilst mixing continuously. Mixing should continue until a homogeneous mix is achieved.

Application: HYDROSEAL PX should be applied in 2 coats at approximately 1.5mm per coat. The first coat should be applied to the prepared substrate using a brush or trowel in a horizontal direction. Once the first coat has stabilized, a second coat should be applied in a vertical direction to achieve maximum coverage taking special care to ensure that there are no pin holes in the applied coating.



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Curing: CUREAID AC should be applied to the HYDROSEAL PX immediately after application has finished, and the freshly applied coating should be protected from direct sunlight and strong winds.

Equipment Cleaning: Equipment should be cleaned using water.

PACKAGING & COVERAGE

Pack Size: HYDROSEAL PX is supplied in 25kg packs.

Yield: A 25kg pack is sufficient to cover approximately 8m² with the recommended 2 coats.

STORAGE & SHELF LIFE

HYDROSEAL PX should be stored in dry conditions at temperatures between 5°C and 30°C. When stored in unopened containers HYDROSEAL PX will have a shelf life of 12 months.

HEALTH & SAFETY

See separate material safety datasheet.