

HYDROSEAL WP

High Performance Waterplug

DESCRIPTION

HYDROSEAL WP is a cement based shrinkage compensated ready to use mix including chemical modifiers and selected graded aggregates. The mixed product is an ultra-rapid setting plugging mortar. Typically, the placed mortar will set in three minutes and once set will stop running water. The shrinkage compensated mix design ensures complete plugging in the applied area. The product is easy to use only requiring the addition of clean water on site.

USES

Hydroseal WP is used in situations where sealing against live water or grout movement is required. Areas of use include plugging of concrete panels and joint sealing prior to grouting operations sealing of basements, concrete pipes, sewage systems and foundations.

ADVANTAGES

- Incorporates the latest cement chemistry and technology
- Pre-packaged material only requires mixing on site
- Packaged in plastic buckets for ease of use
- Can be part mixed

Property	Value
Colour	Concrete Grey
Useable Life	2 minutes
Drying Time	2 - 3 hours @ 20°C
Density	2164kg/m ³
Compressive Strength	14 MPa @ 1 hour 30 MPa @ 1 day 50 MPa @ 7 days 58 MPa @ 28 days

PROCEDURE

Surface Preparation: All contact surfaces must be free from all unsound material, ie. dust, oil, grease, corrosion by-products, organic growth and provide a good mechanical key. Smooth surfaces should be cleaned to remove release agents, curing compounds and surface laitance. Cracks should be cut back to a minimum of 20mm depth and width, preferably undercutting. Avoid feather edging.

Priming: Where placing or plugging is being carried out in wet conditions, no priming is necessary. If concrete surfaces are dry, dampen with water before application of the Hydroseal WP.

Mixing: Mix powder approximately 4 parts by volume to water approximately 1 part volume. For damp cracks and fillets mix should be a stiff consistency. Mixing should be carried out using a gloved hand. Do mix more than can be placed within 2 minutes.

Placing: Apply the Hydroseal WP firmly into the crack or fillet using a small trowel. When working against water pressure work towards the point of highest pressure and finish using a gloved hand forcing the material against the pressure until it has set. Cut off excess material from face within 3 minutes. Dampen area after application. The use of warm water is acceptable at temperatures of 5°C and falling. Equipment Cleaning: Clean equipment using clean water.

PACKAGING & COVERAGE

Pack Size: 10kg units

Yield: 6 litres of mixed mortar per 10kg unit.

STORAGE & SHELF LIFE

Store in dry conditions at temperatures between 10°C and 25°C. Do not expose to freezing conditions.

HEALTH & SAFETY

See separate material safety datasheet.