

PermaSEAL Water Stop



Description

PermaSEAL Water Stop is a rapid setting cementitious water plug. It is designed for dealing with leaks and water intrusions in concrete and masonry. It can also be used to deal with seepage areas in basements, tunnels and shafts and for sewer construction.

At room temperatures, PermaSEAL Water Stop reacts immediately with water. In the space of 1-3 minutes, it sets hard to form a 'plug' of mortar which dries without shrinking.

The product is designed for use with concrete and masonry work. It is water impermeable and frost resistant after thorough drying and hardening.

PermaSEAL Water Stop is designed to be a temporary water plug which should then be over coated with a permanent tanking layer such as PermaSEAL Tanking.

Preparation

All contact surfaces must be sound, clean and provide a good mechanical key. Remove all loose material, plaster, paint and oily deposits. 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 masonry surfaces are dry, dampen with water before application of the PermaSEAL Water Stop to assist adhesion.

Mixing

Mix powder approximately 4 parts by volume to 1 part by volume water. For damp cracks and fillets the mix should be semi - wet. For active water the mix should be a stiff consistency. Mixing should be carried out using a gloved hand. Do not mix more than can be placed within 1-2 minutes.

Placing

Apply PermaSEAL Water Stop firmly into the crack or fillet using a fillet 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 set. Cut off excess material from face within 3 minutes.

Curing

Where heat generation takes place cool with water for 10 minutes after application. The use of warm water is acceptable at temperatures of 5°C and falling.

Coverage

PermaSEAL Water Stop is supplied in 5kg pails. The yield obtained from a 5 kg is 3 litres of mixed material.

Storage and Shelf Life

Minimum of 12 months in original unopened container, this will be reduced once opened. Store in sealed container in dry conditions at a temperature of 5°C to 35°C. Storage at higher temperatures and high humidity will reduce the shelf life.

Standards

PermaSEAL Water Stop has been tested in accordance with the appropriate parts of the following standard EN 12390. Conforms to BS 8102:2009 as a polymer-cement based waterproof coating for Type A shallow basement structures – Grades 1, 2 and 3 when used with PermaSEAL Tanking.