

Water Leak Plug

Description

Water Leak Plug presents a fast and reliable resolution to unwanted irrigation through concrete structures or any cementitious substrate. The quick reaction of compounds under contact with moisture ensures an almost instantaneous barrier to water even under high pressure. Water Leak Plug is designed to function against water penetration in various conditions. Water Leak Plug is supplied as a powder and when mixed with water, is applied directly to concrete, blockwork, masonry or cement renders in areas of seeping/leaking water. Water Leak Plug is used in conjunction with Adawall Waterproof Coating for instant waterproofing.

Areas of Use

Water Leak Plug can be applied to new or old structurally sound surfaces and will negate any leaking water, even under hydrostatic pressure in the following conditions.

- Retaining Walls and columns in reservoirs
- Swimming Pools prior to tiling or painting
- Concrete drinking water tanks
- Water Treatment and sewerage plants
- Foundation Slabs
- Underground Cellars, basement car parks, garages, etc.
- Pre-stressed and pre-cast concrete units
- Tunnels, silos, irrigation channels
- Bathrooms, kitchens, etc
- Sand - cement render
- Lift Shafts
- Vehicle maintenance pits

Advantages

Provides excellent waterproofing properties by becoming an integral part of the structure to which it is applied is Non toxic and Non tainting. The migratory crystalline action is reactivated should future water contact occur Water Leak Plug becomes integral to the substrate, thus eliminating potential wear, de-lamination or peeling.

Application Preparation

As with most coating treatments, surfaces preparation is critical and although this can be time consuming it is essential that it be carried out thoroughly. All surfaces should be clean and free from paint systems, oil, loose dust, shutter treatments, curing compounds, surface hardeners and other contaminants. Surface preparation can be best carried out using high pressure water jetting, grit blasting or mechanical scrubbing. Water jetting has the advantage that complete saturation of the substrate is achieved but lack of drainage facilities may in some cases preclude its use. Repaired areas can be coated with Adawall Waterproof Coating after 24 hours

Mixing

It is important not to mix more material than can be applied within 30 seconds. The recommended mixing ratio is approximately 4 parts Water Leak Plug to one part clean water by volume. It is recommended that the powder is added slowly to the water and mixed with a gloved hand to a smooth lump free consistency. N.B. If the mixed material becomes stiff do not re-mix with water, but discard and mix fresh material.

Placement

The problems which exist in the waterproofing of below ground areas are many and varied and all cannot be solved with a simple specification - If in doubt contact technical services. Once Water Leak Plug has been mixed it must be applied directly to the source of water ingress and held firmly in place for up to 2 minutes or until it is firm to the touch. It is recommended that all leaks are accounted for to ensure complete solution to water ingress. Ventilation and Curing De-humidifiers should not be used immediately after the application of Water Leak Plug as this would arrest the curing system - moist conditions are desirable for a period of at least three days, after which time de-humidifiers may be used to control condensation. It is recommended that wherever possible ventilation is provided. Uniform hardening and water tightness can be assured if the product is not allowed to dry out too rapidly. Protect the coating against excessively fast evaporation in hot conditions or drying winds. If these conditions prevail mist spray the surface regularly.

Packaging

Available in 10kg plastic buckets.

Physical Properties: Nature: Cement like powder

Colour: Grey

Bulk Density: 1.25kg/litre

Application Temperature: >5 °C (Surface Temperature)

Health and Safety Treat as cement Protect eyes and skin from direct contact Freshly mixed Water Leak Plug is alkaline and the use of suitable gloves and eye protection is recommended

Full Material Safety Data Sheet is available on request.