

Technical Data Sheet

Description

Tek-Plug WP is a single component quick setting cementitious water stopping mortar specially formulated from chloride free hydraulic cements and silica sand.

Advantages

- Single component
- Can be applied dry or wet
- Quick setting within 60 seconds
- Chloride free
- Durable
- Waterproof
- Fumes & Odor free

Uses

To stop water leaking in:

- Cracks
- Kickers
- Water tanks
- Leaking joints
- Residential connections

Physical Properties*

PROPERTY	TYPICAL RESULTS
Compressive strength	>28 MPa – at 28 days
Initial set	60 seconds at 20°C
Colour	Grey
*The above properties are average laboratory values	

Packing

Tek-Plug WP is available in 5 kg and 15 kg pail.

Shelf Life

6 months when stored in factory packed unopened pails, stored in dry and elevated place away from direct sunlight.

Installation Guidelines

Spraytek provides detailed method statements on all its products for use in various applications. These must be referred to prior to starting the work. The information below is a summary intended for guidance only.

Surface Preparation

Concrete substrate must be structurally sound. Loose or unsound concrete should be removed. Surfaces must be entirely free of oil, grease, paint, corrosion deposits, dust, laitance or other surface deposits. The substrate must be prepared to create a 'key' for bonding. Expose the cracks to 'V' shaped profile.

The dry substrates must be dampened using clean water prior to application.

Dry method

In cases of water flow is not too high and the area to be sealed minor, **Tek-Plug WP** can be applied straight without mixing. Apply **Tek-Plug WP** firmly against the active leak and hold it till the water leak stops. For large tact of moisture penetration, apply **Tek-Plug WP** powder directly on to the wet substrate

Mixing

Tek-Plug WP is supplied as a single component cementitious product. Mix 3:1 ratio by hand or with an appropriate drill and mixing paddle. Mix 3 parts by volume **Tek-Plug WP** to 1 part by volume of clean water. Mix only small quantities of material at a time to avoid wastage.

Application

Tek-Plug WP setting time depends upon water ratio and ambient temperature. In hot conditions accelerates the setting, in cold condition it retards.

Press and hold the mixed material firmly into the leaking cracks or hole with protected hand or trowel until material has set.

Curing

In normal conditions the curing is not required. For critical applications or in extreme hot conditions, use **Tek-Cure WB** (refer separate product technical data sheet).

Precautions

Ensure in extreme hot temperatures, store the materials in cool environment and use cold clean water to achieve a satisfactory working window time. Do not apply at temperatures below 5°C.

Technical Support

Spraytek offers full technical support package to specifiers, contractors and end users, as well as technical assistance on site and after sales consultations.

Health & Safety

As with all chemical products, caution should always be exercised. Protective clothing, such as gloves and goggles, should be worn. See packaging/MSDS for specific instructions.

Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately

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