



## Technical Data Sheet

### Description

**Tek-Plast HP** is a single component cementitious plaster specially formulated from selected cements, sand, admixtures and aggregates. Plastering application for use on all kinds of internal & external building surfaces.

### Advantages

- Single component
- Specially developed for hot weather
- Non-toxic
- Interior & Exterior applications
- Machine or hand applied

### Uses

- Internal & external plaster for walls, ceilings & all types of block works.

### Physical Properties\*

Property	Typical Results
Toxicity	Non-toxic
Aggregate size	2mm maximum
Fire resistance	Class 0 – BS 476, Part 6
*The above properties are average laboratory values	

### Specification Compliance

ASTM C 387  
BS 5262:4551

### Packing

**Tek-Plast HP** is available in 50 kg bag.

### Coverage

Theoretical coverage rate for one bag of 50 kg would be 2.00 m<sup>2</sup> at 15mm thick.

### Shelf Life

12 months when stored in factory packed unopened bag, stored in a cool dry and elevated place away from direct sunlight.

### Application Properties

Property	Typical Results
Application temperature	5°C to 40°C
Minimum thickness	12mm
Maximum thickness	40mm in multiple layers of 20mm
Maximum temp. of mixed product	30°C
Application time	30 minutes at 20°C 15 minutes at 35°C
Water ratio	7.0 to 9.0 liter of clean water per 50 kg

### 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

Substrates must be structurally sound. Loose or unsound substrate 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.

The substrate must be primed using clean water to achieve a saturated surface dry prior to application.

### Protection of reinforcement steel bars

Remove all corrosion deposits from the exposed reinforcement steel bars using **Tek-Clean RR**.

For protection against corrosion, coat the reinforcement steel bars with **Tek-Prime ZR**.

### Priming

The substrate must be primed using clean water prior to application.

### Rush coat / cement neru application

Apply **Tek-Bind RC** or cement neru (1 part cement and 4 parts water) on to the substrate using a "Tyrolean"

splatter box or with a hopper spray. Do not apply by trowel. Apply in two coats wet on wet but allow the first coat to stiffen before going over with the second coat. Ensure that the entire area is coated and has a rough texture to act as a mechanical key. Ensure that product is applied will still workable. Working time is typically 45 minutes at 30°C. For further details, please refer **Tek-Bind RC** material technical data sheet.

### Mixing

**Tek-Plast HP** is supplied as a single component cementitious product in 50 kg bags. Pour 7.0 to 9.0 liter of clean water into suitable clean container and slowly add the product while mixing with low speed drill (300-500 rpm) with mixing paddle. Mix approximately for 3-5 minutes to achieve right smooth consistency.

Do not over mix or add additional water.

### Application

The mixed material should be applied immediately. Apply the mixed product by manually or spray method to the required thickness; wait till applied material partially stiffen, then finish using trowel to achieve leveled dense surface. Do not use water to finish the surface.

### Curing

Curing of **Tek-Plast HP** is essential and should begin mist spraying the hardened **Tek-Plast HP** surfaces with clean potable water and maintain the dampness for 72 hours minimum for full cure. Alternatively if conditions do not allow the above method of curing, **Tek-Cure AR** or **Tek-Cure WB** should be brush or spray applied to all plastered surfaces.

### Precautions

Do not add additional water or re-temper the mix. Ensure the temperature of the mortar does not exceed 35°C at the time of mixing.

Do not mix by hand.

Do not part mix, use full bag.

Do not apply in rain or wet conditions or at temperature below 5°C.

Do not expose to running water until the product is fully cured for 7 days.

### Technical Support

Spraytek offers full technical support package to specifies, 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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