



## Technical Data Sheet

### Description

**Tek-Plast GP** is a single component gypsum plaster specially formulated from selected gypsum, lightweight aggregates and admixtures. Plastering application for use on all kinds of internal walls & ceilings to achieve fine finish with thermal properties.

### Advantages

- Single component
- Specially developed to achieve thermal properties
- Interior applications
- Machine or hand applied

### Uses

Internal plaster for walls, ceilings & on polystyrene boards, lightweight & concrete blocks works

### Physical Properties\*

PROPERTY	TYPICAL RESULTS
Compressive strength	3.5 MPa
Density	920 kg/m <sup>3</sup>
Flexural strength	0.5 MPa
Bond strength	0.2 MPa
Thermal conductivity	0.160 W/m.K
Fire resistance	Class 0 – BS 476, Part 6

\*The above properties are average laboratory values

### Packing

**Tek-Plast GP** is available in 30 kg bag.

### Coverage

Theoretical coverage rate would be 0.92 kg/mm/m<sup>2</sup>. 30 kg bag yields approximately 25 lt., when mixed with 5.0-5.5 lt. of clean water.

### 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
Average thickness	12mm
Minimum thickness	8mm
Maximum thickness	40mm in one coat application
Maximum temp. of mixed product	30°C
Application time	30 minutes at 20°C 15 minutes at 35°C
Water ratio	5.0 to 5.5 liter of clean water per 30 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 application on concrete and smooth surfaces

Apply **Tek-Bind RC** 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 GP** is supplied as a single component product in 30 kg bags. Pour 5.0 to 5.5 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 level dense surface. Do not use water to finish the surface.

### Curing

It is not essential to cure the applied **Tek-Plast GP**.

### 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 water or wet areas.  
It is recommended to use only for internal surfaces.

### 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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