



## Technical Data Sheet

### Description

**Tek-Plast AC** is a single component acrylic plaster specially formulated from selected acrylic co-polymers, binders, sand, admixtures and aggregates. Plastering application on all kinds of internal building surfaces.

### Advantages

- Polymer based
- Specially developed for hot weather
- Non-toxic
- Interior applications
- Can be used as skim coat on concrete surfaces up to 4 to 12mm
- Machine or hand applied

### Available Grades

- Coarse
- Medium
- Fine

### Uses

Internal plaster for internal walls, ceilings, columns beams & soffits.

### Physical Properties\*

#### COARSE

PROPERTY	TYPICAL RESULTS
Particle size	Maximum 1.0mm
Density	1.60
pH value	8.5
Color	Off-white
Toxicity	Non-toxic
Fire resistance	Class 0 – BS 476, Part 6, 1989
Theoretical Coverage	1.6 kg / m <sup>2</sup> per mm

#### MEDIUM

PROPERTY	TYPICAL RESULTS
Particle size	Maximum 0.8mm
Density	1.70
pH value	8.5
Color	Off-white
Toxicity	Non-toxic
Fire resistance	Class 0 – BS 476, Part 6, 1989
Theoretical Coverage	1.7 kg / m <sup>2</sup> per mm

#### FINE

PROPERTY	TYPICAL RESULTS
Particle size	Maximum 0.2mm
Density	1.80
pH value	8.5
Color	White
Toxicity	Non-toxic
Fire resistance	Class 0 – BS 476, Part 6, 1989
Theoretical Coverage	1.8 kg / m <sup>2</sup> per mm
*The above properties are average laboratory values	

### Fire Performance

BS 476 Part 6:1989

### Packing

**Tek-Plast AC – Coarse, Medium & Fine** is available in 25 kg bag.

### Application Properties

PROPERTY	TYPICAL RESULTS		
Application temperature	5°C to 40°C		
Minimum thickness	<b>Coarse</b>	<b>Medium</b>	<b>Fine</b>
	4mm	3mm	2mm
Maximum thickness	12mm in multiple layers	6mm	4mm
	Maximum temp. of mixed product: 30°C		
Application time	30 minutes at 20°C 15 minutes at 35°C		

### Shelf Life

6 months when stored in factory packed unopened bag, stored in a cool 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.

### 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.

### Mixing

**Tek-Plast AC Coarse** is supplied as a pre-mix product in 25 kg bags ready to use, and can be mixed with 20% OPC, but should be dispersed with forced action mixer prior to application. The mixed product poured directly into the machine spray applications or can be applied manually.

Do not over mix or add additional water.

**Tek-Plast AC Medium** is supplied as a pre-mix product in 25 kg bags ready to use, and can be mixed with 20% OPC, but should be dispersed with forced action mixer prior to application. The mixed product poured directly into the machine spray applications or can be applied manually.

Do not over mix or add additional water.

**Tek-Plast AC Fine** is supplied as a pre-mix product in 25 kg bags ready to use but should be dispersed with forced action mixer prior to application. The mixed product poured directly into the machine spray applications or can be applied manually.

### Application

The mixed material should be applied immediately. Apply the mixed product by manually or spray method to the recommended thickness; wait till applied material partially stiffen, then finish using trowel to achieve level dense surface.

**Tek-Plast AC Fine** is applied by machine or manual method, over the concrete surfaces or on **Tek-Plast AC Coarse** or on **Tek-Plast AC Medium** to give smooth or textured (spray applied) finish. Each coat gives 1mm thick. The applied product should be levelled using 60cm steel edged spatula.

Do not use water to finish the surface.

### Curing

Curing of **Tek-Plast AC** is not required.

### 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 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 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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