



Technical Data Sheet

Description

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

Advantages

- Polymer based
- Anti-carbonation properties
- Specially developed for hot weather
- Non-toxic
- Interior & Exterior applications
- Can be used as skim coat on concrete surfaces up to 4 to 6mm
- Machine applied
- No over coating required

Uses

Color plaster for internal & external walls, ceilings, columns and soffits

Physical Properties*

Property	Typical Results
Particle size	Maximum 0.2mm
Density	1.80
pH value	8.5
Color	Standard Colors
Toxicity	Non-toxic
Fire resistance	Class 0 – BS 476, Part 6, 1981
Theoretical Coverage	1.8 kg / m ² per mm

*The above properties are average laboratory values

Fire Performance

BS 476 Part 6:1989

Packing

Tek-Plast AC Plus is available in 25 kg bag.

Shelf Life

6 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	2 mm
Maximum thickness	6 mm
Maximum temp. of mixed product	30°C
Application time	30 minutes at 20°C 15 minutes at 35°C

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.

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 Plus is supplied as a pre-mix product in 25 kg bags ready to use in paste form 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.

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.

Tek-Plast AC Plus is applied by machine or manual method, over the concrete surfaces or on **Tek-Plast** plasters 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.

Application of Tek-Plast AC Plus Clear Top-coat

A minimum of 2 coats of **Tek-Plast AC Plus** Clear Top-coat are recommended.

Apply the first coat using brushes, rollers or low pressure spray equipment in a continuous uniform coating, to a theoretical coverage rate of 4-5 m² per liter. Apply the second coat in the same manner as the first, allowing at least 4 hours drying time between coats for the solvent to fully evaporate.

If required, a third coat of **Tek-Plast AC Plus** Clear Top-Coat may be applied to increase the protection especially in coastal environments. Allow adequate ventilation for solvents and fumes to evaporate.

Curing

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

Precautions

Do not add additional water or re-temper the mix. Ensure the temperature of the product 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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Spraytek Coatings LLC

P.O. Box 27356, Dubai, U.A.E., Tel.: +9714 2221432, Fax: +9714 2275750, Email: info@spraytek.ae

www.spraytek-me.com