

## Technical Data Sheet

### Description

**Tek-Inlay Crystal** is a dry premix, decorative finish for internal and external use, giving a premium surface finish.

A seamless finish suitable for walls, floors, ceilings, kitchen countertops, artistic installations and tested and approved for submerged wet areas such as showers, wet rooms, swimming pools and spas. **Tek-Inlay Crystal** is also suitable for low speed vehicle traffic.

**Tek-Inlay crystal** is made up of two main parts. High strength adhesive and modified polymer screed that is mixed with different particle parts such as crystals, semi-precious stones, jewels, recycled glass and natural stones.

### Advantages

- Easy to apply
- High impressive appearance
- Good water retention and workability
- Decorative floor & wall coverings.

### Uses

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### Application Properties

Density	1.6
Coating thickness	8 - 12 mm
Compressive strength	> 30 MPa
Tensile strength	> 4 MPa
Fire performance	Non- combustible

### Packing

**Tek- Inlay Crystal** is supplied in 10 kg packs.

### Theoretical Coverage / yield

2.7 litre when mixed with 0.9 - 1.1 liters of water per 10 Kg bag.

### Shelf Life

12 months when stored in factory packed unopened kit in a cool dry and elevated place away from direct sunlight excess humidity and at a temperature not more than 35°C.

### Application Guidelines

Spraytek provides detailed method statements on all its products for use in various areas of applications. These must be referred to prior to carry-out the works. The information below is intended for guidance only.

### Surface Preparation

The new concrete should be at least 28 days old and moisture content should be less than 7%. The surface should be sound, clean, dry and free from any dirt, loose debris, oils, grease, curing compounds sealers etc. All dust and loose material should be removed by vacuum cleaning or sweeping from surface.

### Priming

The surface should be primed using **Tek-Inlay Primer**. The primer to be combed to provide a rough surface background.

### Mixing

**Tek-Inlay Crystal** is supplied in 10 kg has to be mixed with potable water only, in a clean plastic bucket or clean non-corrosive, uncontaminated metal tub. To ensure a homogeneous and uniform mix, an electric agitator must be used. The amount of water to be added is approx. 2.6 – 2.8 ltrs per 10 kg bag and should be constant for every batch.

Add **Tek-Inlay Crystal** to water, turn the contents of the bag carefully adding small amounts at a time into the container. Stir frequently and mix each batch for the same period of time.

Once mixed, allow to stand for 5 minutes and mix again before applying.

No further water should be added to the mix. Hard and set plaster should not be re-mixed or used.

## Application

Apply a thin coat of **Tek-Inlay Crystal** to an approximate thickness of 8-12 mm onto the prepared surface with a steel trowel. To avoid grinning, double back and fill out to a uniform thickness. Work from a wet unset edge to complete an entire unbroken panel area in one continuous operation. Level off with a aluminum straight edge. Using a steel trowel in conjunction with a wood float, bring to a fine surface. As soon as the **Tek-Inlay Crystal** begins to stiffen, the surface should be slightly dampened, then closed with a flat steel trowel. To avoid joints and discoloration, the material should be uniformly, troweled, levelled, straight and plumb before starting the next operation.

When the troweled surface has become firm (indentations cannot be made by finger pressure), using a sponge, dipped in potable water, carefully work the surface in an all over direction from top to bottom giving equal attention to the entire area. This will remove the thin film of the from the surface, leaving the partly exposed glass or aggregate chips revealed on the surface. Drying out period would depend on ambient weather conditions. To achieve an extreme sparkling effect of the **Tek-Inlay Crystal**, the surface has to be washed once, after 24hours, with to remove the fine film of powder part from the glass beads.

## Precautions

Avoid excessive application  
Avoid skin contact  
Do not discard into the water system  
Do not apply in rain or wet conditions or temperature below 5°C  
Do not mix by hand

## 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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