



## Technical Data Sheet

### Description

**Tek-Tard SR** is a cementitious surface retarder which is an emulsion of natural retarders and wetting agents providing surface retarder properties to exposed aggregate finishes for concrete made with ordinary Portland cement.

It is available in two grades:

- **Horizontal:** It is a surface retarder for face up application on freshly placed horizontal concrete surfaces such as slabs and kicker joints.
- **Vertical:** A surface retarder gel for use on vertical forms and face down applications

### Advantages

- Easy to use
- Cost effective
- Uniform depth of retardation
- Does not reduce concrete strength
- No release agents required
- Can be used for potable water structures

### Uses

- Construction joints
- Surface preparation for finishes
- Architectural exposed aggregate finishes

### Physical Properties\*

PROPERTY	TYPICAL RESULTS
Specific Gravity	Approx 1.05 – 1.07 @ 20 deg C
Etch depth	Upto 8mm
*The above properties are average laboratory values	

### Packing

**Tek-Tard SR** is available in 20 lt. and 200 liter pack.

### Theoretical Coverage

Horizontal : 6 -10 m<sup>2</sup> per litre

Vertical : 4 - 5 m<sup>2</sup> per litre

### Shelf Life

12 months when stored in cool dry environment in factory packed unopened containers.

### 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.

### Application

#### Horizontal Grade:

Tek-Tard SR horizontal grade is a liquid that is supplied as a ready to use product. Dilution of the product is not allowed. The product should be sprayed on to the concrete surfaces immediately after finishing. The concrete should be proportioned to minimize segregation and bleeding. Once the concrete has set, the treated surface should be wire brushed or washed down using water jet to expose the aggregate.

#### Vertical Grade:

The mould surface should be clean, dry and free from contaminants. The product is ready to use and should not be diluted. The product could be applied to any type of clean form. Apply a heavy coat with a brush or serrated trowel and allow to dry (usually 2-4 hrs.). Forms should be removed as soon as possible after the concrete is poured. The surface should be washed with water jet to remove the cement paste, exposing the aggregate and removing the retarder. It may also be necessary to wire brush the surface.

### Precautions

Avoid excessive application  
Avoid skin contact  
Do not discard into the water system

### 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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