



Technical Data Sheet

Description

Tek-Seal AR is a single component acrylic co-polymer mastic sealant designed to fill internal joints or as an interior filler for many common building materials, to provide a smooth ready surface for painting or any coverings.

Advantages

- Single component
- Can be applied on damp substrate
- Non-toxic
- Chloride free
- Durable
- Waterproof
- Fumes & Odor free

Uses

- Filling of joints & cracks on walls, ceilings, brickworks and masonry
- Filling of joints between plasterboard panels, skirting boards and architraves
- Joint sealant around window and door frames

Physical Properties*

Property	Typical Results
Color	White/Grey Standard Colors on request
Density (g/cc)	1.5 ± 0.05
Viscosity	Paste
Shore 'A' Hardness	20-25
Shrinkage	<15%
MAF	±10 %
Initial cure time	60 min @ 25°C
Full cure	7 days
Application temperature	5°C to 45°C
Service temperature	5°C to 70°C

*The above properties are average laboratory values

Packing

Tek-Seal AR is available in 1 kg, 5 kg and 20 kg pail.

Shelf Life

12 months when stored in factory packed unopened pails, stored in dry and elevated place away from direct sunlight.

Standards compliance

BS 5212: Part 1
ASTM C 920 – Type S, Grade NS,
Class 12 ½, USE NT

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

All cracks and joint edges must be clean, dry and free from oil, loose particles, cement laitance and other contaminants which may affect the adhesion.

A thorough wire brushing, grinding, sand blasting or solvent cleaning may be required to expose a clean and sound substrate. When applied on smooth surfaces like ceramic or terrazzo tiles or porcelain enamel joint surfaces, the surfaces should be abraded using sandpaper or wire brush.

Usually priming is not required, however on highly pores surfaces, dilute the product with water (1:3 by volume) and prime the joints with it. The primer shall be applied by a brush in a thin coat application and shall be allowed to become "tack free" prior to the application of the sealant.

Apply masking tape on both the edges of the joint before the application of the primer or the mastic. Insert backing rod into the prepared joints. The diameter of the backing rod should be minimum 20% greater than the joint width.

Mixing

Tek-Seal AR is supplied as a single component product. However, stir the material thoroughly to mix any solid contents that may have settled at the bottom of the container.

Application

Apply **Tek-Seal AR** into the prepared joint or crack using a scraper, spatula or putty knife ensuring the entire void is completely filled.

Allow to dry for 24 - 48 hours then lightly abrade the surface with sandpaper before painting.

Curing

No special curing is required for **Tek-Seal AR**

Precautions

Ensure in extreme hot temperatures, store the materials in cool environment and do not apply if the work area may be subject to the onset of rain or moving water. Do not apply at temperatures below 5°C.

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.

Estimating

Theoretical Coverage Guide

Joint size in mm (W x D)	Kilograms per LM	For approximate quantities for joint sizes other than the given sizes, please consult Spraytek to estimate required quantities.
10 x 10	0.15	
12 x 10	0.18	
15 x 10	0.22	
20 x 10	0.30	
15 x 15	0.34	
20 x 15	0.45	
25 x 15	0.57	
20 x 20	0.60	
25 x 20	0.75	
30 x 20	0.90	

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