



Technical Data Sheet

Description

Versatile sealing for irregular and difficult joints and cracks, withstands extreme movements and chemical exposures while maintaining a watertight seal.

Advantages

- Exceptional adhesion on all common building materials
- Easy application
- Easy Repair
- Economic solution
- Permanently elastic, even at low temperatures.
- Seals large and small irregular joints, even with high movement
- Weather-resistant
- Resistant to many chemicals.
- Withstands UV light and ozone resistant
- Approved for contact with portable water
- No priming; no routing; no need to remove existing failed joint sealant

Uses

- **Types of Joint:** construction, expansion, cracks, connecting, etc
- **Types of Substrates:** concrete, mortar, steel, iron, aluminium, brick, wood and other building materials
- **Types of Structures:** tunnels, pipes, storage tanks, swimming pools, parking garages, sewage treatment tanks and roofs

Physical Properties

PROPERTY	TYPICAL RESULTS
Density	>1.0
Shore 'A' Hardness	>70
Tensile strength (ASTM D 638)	>11 MPa
Elongation at break	>500%
*The above properties are average laboratory values	

Volatile Organic Content

VOC Nil

Specification compliance

Meets USDA requirements for incidental food contact.
Complies to BS 6920

Chemical resistance

Hydrochloric acid, 30%: excellent
Nitric acid, 20%: good
Acetic acid, 10%: very good
Sulphuric acid, 40%: excellent
Sodium hydroxide, 50%: excellent
Kerosene: excellent
Alcohol: good
Skydrol: excellent
Petrol: excellent
(For chemicals not listed, please consult **Spraytek**)

Packing

Tek-Prufe HS Strips

Width	Thickness	Length/roll (m)	Rolls / box
150mm	1mm	20	4
200mm	1mm	20	4
250mm	1mm	20	4
200mm	2mm	10	4
250mm	2mm	10	4
300mm	2mm	10	4

Shelf Life

24 months when stored in cool dry environment in factory packed unopened boxes.

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. The substrate must be prepared to create a 'key' for bonding by manual method. The moisture content of the concrete substrate should be less than 7%.

Priming

Priming is not required, however If the concrete substrates are too porous, then it is recommended to use multiple coats of **Tek-Prime SF** to seal of the surfaces.

Mixing

Tek-Bond EA is supplied as a two component epoxy resin product. Add 'Part B' to the 'Part A' into suitable clean container and slowly mix with low speed drill (300-500 rpm) with mixing paddle. Mix approximately for 3-5 minutes to achieve streak free consistency. Improper mixing will result in a soft or tacky / uncured surface. DO NOT add thinner or any solvents.

Application

Apply the mixed **Tek-Bond EA** epoxy adhesive on each side of the joint to thickness of approximately 1/32in. Work into the substrate for positive adhesion. Set the sheeting into the epoxy using a hard roller , force the sheeting down into the epoxy adhesive. Apply an additional 1/32in layer of epoxy adhesive as a top coat of the **Tek-Prufe HS**. Sheeting may be bonded together thermally with an hand-welding tool (i.e. heat-welder or similar equipment).

Precautions

Do not add any thinner or solvent.
Do not mix by hand.
Do not part mix, use full pack.
Do not apply in wet conditions or at temperature below 3°C of the dew point.
Do not over mix the product.
Do not dispose into water drains.

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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