Assess Build Chem Pvt. Ltd.
A World of Concrete Solutions

SS - JointSeal T1

Chemically Resistant Flexible Poly-Olefin based High Performance Waterproofing Tape for Use as an Expansion Joint System

General

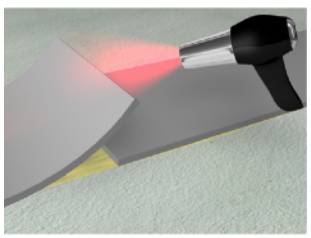
SS - JointSeal T1 is a very high performance, chemically resistant, flexible Poly-Olefin tape that is used to seal expansion or wide construction joints against the ingress of water. The material is tough in mechanical properties and is resistant to a wide variety of chemicals, which makes it suitable for use in a number of different waterproofing applications.

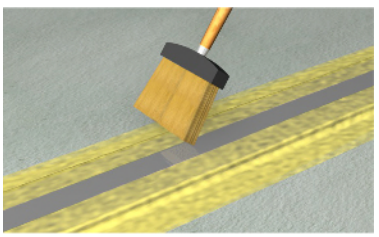
The tape system is applied with a high strength epoxy bonding adhesive [**SS - StructoBond EP**], which allows the system to be applied over a wide variety of substrates including concrete, stone, cementitious surfaces and metals. The material can be used in areas that are critical and subject to frequent movements.

SS - JointSeal T1 is available in widths of 150 mm and 200 mm, with other custom widths available on request. The material can be lapped by fusing with other sheets with a hot air dryer or can be lapped with other sheets by sanding and bonding with the high strength Thixotropic Epoxy Adhesive. Due to its material make up the tape system can be used across a wide temperature range from - 30° C to + 90° C. **SS - JointSeal T1** can be used over construction, expansion joints, connection joints and over cracks. The system allows high movements in more than one direction, maintaining the integrity of the applied seal system.

Product Features

- Highly Flexible
- Temperature weldable as well as adhesive compatible
- Chemically resistant to selected acids, bases as well as salts
- Can be applied over vertical and horizontal expansion joints
- Requires protection from abrasion
- Suitable for use across a wide variety of substrates
- Can also be used for treatment of wide moving cracks
- Easy to install
- Root resistant
- Can be used multi-functionally across substrates to seal against various areas of water ingress





Areas of Application

- Used to seal construction, expansion or connection joints against the ingress of water
- Basements and underground structures
- Wet Areas
- Swimming Pools and Water Tanks
- Refurbishment of damaged expansion joints
- Tunnel, Precast Construction Joints
- Sealing Penetrations [pipes and services]
- Sealing and waterproofing of moving cracks
- Increasing length of water-path to enter concrete joints
- Waterproofing joints in outdoor areas exposed to high and permanent water pressure

Areas of Application

Specification Keywords	High Performance, Chemically Resistant, High Elongation, High Bond Strength, High Tensile Strength, Flexible Polyolefin (FPO / TPO) Joint Tape
Delivered As	Solid, Grey FPO / TPO Joint Tape
Storage Instructions	Store in a cool and dry area away from sunlight, in original packaging
Shelf Life	12 Months
Post Use	Empty packaging completely. Dispose as per local regulations.
Packing Size	150 / 200 mm wide, 20m long rolls

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Hazards and Safety

Technical Data

Tape Width and Thickness	150 mm, 200 mm [Other sizes on request], 1 mm thickness
Chemical Resistance, 7Day	3% HCl, 35% H_2SO_4, Citric Acid, Lactic Acid, KOH [3%, 20%], Na Hypochlorite, Salt Water [2%]
Reaction to Fire	Class E
Tear Resistance	Longitudinal: 15 N/mm^2, Across: 15 N/mm^2
Elongation	Longitudinal: 620%, Across: 670%
Tear Resistance (Nail)	260N Longitudinal and Across
Shore A Hardness	87
Bond Strength	> 4.0 N/mm^2 [depending on adhesive]
Burst Pressure	>= 4.0 Bar
UV Resistance	> 6500 Std. [DIN EN ISO 4892-3]

Instructions for Use

The dry or slightly humid floor/wall should be strong, durable, and free from dust, dirt and release agents. Ensure the surfaces are clean and dry [moisture content < 8%] before application for best results. Always test with a 24-hour cure time to determine consumption, ease of application and desired results. Surface temperature should be > 8°C.

After adequate surface preparation, fill the expansion joint with a suitable backer rod or backer board. mask the joint opening with masking tape. Also mask the outer edges of the area to be covered by **SS - JointSeal T1**. Apply the mixed adhesive [**SS - StructoBond EP**] within the masked areas, taking care to not cover the joint. Embed the **SS - JointSeal T1** into the adhesive. Follow adhesive manufacturer's instructions on application and drying times.

Use a roller to smooth out air pockets and extrude out the excessive adhesive. Overlap the tapes for a minimum of 10 cm. Grind the overlaps with sandpaper (80 grit) and fuse the edge seams with a suitable hot-air-dryer [1500 watts / 340° C]. Push down the tape with a weighted roller to get rid of air pockets. Alternatively, apply the adhesive [**SS - StructoBond EP**] over the lap area and bond the tapes together with a weighted roller.

To protect tape from external influences and to make it water tight, seal the tape edges with the adhesive material, leaving the joint width plus an additional 20-30 mm tape unbonded above the stretch zone (joint gap).

Once the adhesive has fully cured, protect the edges against mechanical damage. The joint can then be coated over with a high elongation coating. Apply a bond-breaker tape over the unbonded area prior to applying a coating over the treated joint system.

Safety and Precautions

- Due to technical reasons the colour of the material or the printing may vary slightly from batch to batch
- The material is as such not hazardous, but exercise caution during application