

Flexible Sealing Tape

High performance joint and crack sealing system for construction joints, expansion (movement) joints and connection joints or cracks.

Product Description

Flexible sealing tape is thin and extra-tough elastic strip with considerable longitudinal and lateral extension. Ideal for sealing and waterproofing expansion joints and over cracks subject to irregular and high movements.

Excellent resistance to weathering, UV radiation and chemically stable.

Thermal welding ensures secure, watertight joints.

Product Uses

Sealing construction or expansion joints, transition joints and large active cracks on podium slabs, tower to podium movement joints, car-park decks, balconies and roof decks, etc. Can be used to reinstate failed sealant in joints which exceed mastic sealant limits.

Product Advantages

- Green Star compliant, VOC Free
- Versatile and robust; long term elasticity
- Compatible with GCP membrane systems
- Resistant to UV, chemicals, oil, diesel and petrol
- Easy to install, cost effective joint waterproofing solution
- Can be applied to damp or dry substrates

Used For

- Construction joints and cracks
- Future movement of construction without causing damages
- Basements
- Tunnel Construction
- Around Metal Surfaces
- Swimming pools, cable and pipe penetrations
- Sewage treatment Plants

Typical Properties

Colour:	Grey
Total thickness (approx.):	1.0 mm / 2.0 mm
Resistance to temperature min. / max.:	- 30°C / + 90°C

Length per roll: 25 metres (Alternative size upon request)

PHYSICAL PROPERTIES: (APPROX:)	DIN	VALUE
Available widths:	Internal	150, 200, 250 and 300 mm
Thickness	Internal	1.0 mm / 2.0 mm
Length per roll:	Internal	25 Meter (Alternative make ups upon request)
Tensile properties:		
Tear resistance – lengthwise	DIN EN 12311-2 Method B	15 N/mm ²
Tear resistance – across	DIN EN 12311-2 Method B	15 N/mm ²
Elongation at break – lengthwise	DIN EN 12311-2 Method B	620 %
Elongation at break – across	DIN EN 12311-2 Method B	670 %
Tear resistance (nail shank) – lengthwise	DIN EN 12310-1	260 N
Tear resistance (nail shank) – across	DIN EN 12310-1	260 N
Water vapour permeability	DIN EN 1931 Method B	60 m
Shore A hardness	Internal	69-73
Bonding strength	DIN EN 1348	≥4.0 N/mm ²
Peel test on wood carrier	Internal	≥100 N*
Water tightness	DIN EN 1928-A-60 kPA'24 Std. DIN EN 1928-A-60 kPA'24 Std.	watertight watertight
Burst pressure	Internal	≥4 bar
UV – Resistance	DIN EN ISO 4892-3	≥6500 h
Reaction to fire	DIN EN ISO 11925-2 / EN 13501-1	Class E

* in dependence of the used adhesive

Preparation

Surfaces must be clean and free from laitance and contaminants. Repair all unsound substrates. Surface should be dry or saturated-surface-dry with maximum 10% moisture content.

Before welding the tape, the surfaces being welded must be abraded with 120-240 grit sandpaper, for best weld adhesion.

Before bonding tape to concrete with the epoxy adhesive (and encapsulating tape edge in adhesive), both sides of the tape must be solvent wiped with xylene to clean and allowed to dry. Not solvent wiping reduces adhesion of epoxy to the tape.

Application

Apply mixed SILCOR® Epoxy adhesive to substrate both sides of the joint with a spatula to a thickness of 1mm to 2mm.

Ensure the adhesive application is a minimum 25mm wider than the FLEXIBLE SEALING TAPE strip. Minimum width of adhesive on either side of the joint should be 50mm. On damp surfaces, ensure the adhesive is well worked into the concrete to allow bond to develop.

Place cleaned FLEXIBLE SEALING TAPE strip into the adhesive, with central tape facing away from the joint. Roll the strip into the adhesive ensuring all trapped air is removed and adhesive seeps through perforations at edges of the strip. Where joint movement exceeds 25% of the joint width, form a “loop” in the FLEXIBLE SEALING TAPE of sufficient size to accommodate the extent of movement (contact your local GCP representative for further guidance). Where possible, the loop should protrude above the joint, not into the joint, to avoid pinch damage with joint movement. Immediately apply a second layer of adhesive, to a thickness of 1mm to 2mm, to the top of the FLEXIBLE SEALING TAPE extending onto the minimum 25mm excess width of the first adhesive layer.

Whilst the adhesive is still tacky, sand broadcast the full surface area of the adhesive using clean, kiln dried sharp quartz sand, 0.5 to 1.2mm in size. Allow adhesive to cure, then vacuum to remove all unbonded sand. Ensure the sand broadcast surface remains clean and dry prior to application of waterproof membrane.

Site Jointing

Joints in FLEXIBLE SEALING TAPE may be formed with a hot air gun and light pressure rolling. Do not use solvent or flame jointing methods. Ensure FLEXIBLE SEALING TAPE is clean.

A minimum lap of 50mm must be employed. Do not overheat the FLEXIBLE SEALING TAPE. Heat both surfaces simultaneously and bring together when heated surfaces are fully softened. Immediately pressure roll to displace air bubbles and ensure bonding. Always test a specimen joint to ensure correct technique and strong bond is achieved. Vertical 90 degree corners should be formed by gently heating the FLEXIBLE SEALING TAPE and forming a sharp 90 degree bend in the strip.

Protection

FLEXIBLE SEALING TAPE must be protected from mechanical damage prior to and during installation of finishes, back filling etc., using Protectoboard.

In exposed or trafficable situations, Flexible Sealing Tape must be covered by a metal cover plate as protection. Cover plate must not contact the FLEXIBLE SEALING TAPE or restrict its operation.

Packaging

FLEXIBLE SEALING TAPE strip 25m rolls

Storage

Store unopened in a dry place indoors between +5 °C and +30 °C. Under these conditions, FLEXIBLE SEALING TAPE has a maximum shelf life of 12 months.

Health and Safety

Refer to the SDS of the products or when in doubt contact your local GCP representative. Always wear protective clothing, gloves and protective goggles when handling chemical products. For full information, consult the relevant SDS.

Limitations

Information contained in this document does not cover all possible application scenarios or imply product suitability for an application. Please contact your local GCP representative or the GCP Technical Department for further information.

Availability

Available Australia wide through the GCP distributor network.

Technical Support

GCP manufactures a comprehensive range of high quality, high performance construction products. In addition, Offers technical support and on-site advice to specifiers, end users and contractors. Please contact your GCP sales representative or GCP Head Office for this service.

gcpat.com.au | Australia customer service: 1800 334 444 – anzorders@gcpat.com

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate, and is offered for consideration, investigation and verification by the user, but we do not warrant the results to be obtained. Please read all statements, recommendations, and suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation, or suggestion is intended for any use that would infringe any patent, copyright, or other third party right.

SILCOR is a trademark, which may be registered in the United States and/or other countries, of GCP Applied Technologies, Inc. This trademark list has been compiled using available published information as of the publication date and may not accurately reflect current trademark ownership or status.

© Copyright 2025 GCP Applied Technologies, Inc. All rights reserved.

GCP Applied Technologies Inc., 2325 Lakeview Parkway, Alpharetta, GA 30009, USA

GCP Australia Pty. Ltd., 14 Colebard Street West, Archerfield, Brisbane, Queensland 4108, Australia

This document is only current as of the last updated date stated below and is valid only for use in Australia. It is important that you always refer to the currently available information at the URL below to provide the most current product information at the time of use. Additional literature such as Contractor Manuals, Technical Bulletins, Detail Drawings and detailing recommendations and other relevant documents are also available on www.gcpat.com.au. Information found on other websites must not be relied upon, as they may not be up-to-date or applicable to the conditions in your location and we do not accept any responsibility for their content. If there are any conflicts or if you need more information, please contact GCP Customer Service.

Last Updated: 2025-06-23

gcpat.com.au/solutions/products/silcor-liquid-waterproofing/flexible-sealing-tape