

Waterproofing & *Joint Tapes*

Tapes and waterstops for sealing expansion, construction and cold joints in concrete structures.



EXPANSION JOINT TAPE



TPE CHAMFER TAPE



PVC WATERSTOP TAPE

PRODUCT RANGE

- 01** Expansion Joint Tape
- 02** TPE Chamfer Tape
- 03** PVC Waterstop Tape
- 04** TPE / Bentonite Swelling Tape
- 05** Butyl Tape



SWELLING TAPE



BUTYL TAPE

Product Range

Five product groups for sealing and waterproofing joints in concrete and building structures.

01



Expansion Joint Tape

TPE-based, UV-resistant tape for sealing and insulating wall and floor joints and all kinds of expansion joints.

PAGES 03-04 →

Material	TPE
Width	15–30 cm
Thickness	1.00 / 1.5 / 2.00 mm
Roll	20 m

02



TPE Chamfer Tape

Elastic TPE joint and chamfer tape with felt or polyester reinforced edges, for waterproofing structural joints.

PAGE 05 →

Material	TPE + felt / polyester
Width	120 mm
Thickness	0.60 mm
Roll	10 or 50 m

03



PVC Waterstop Tape

PVC waterstops for water tightness in expansion, contraction and construction joints. 11 profile types.

PAGES 06-07 →

Material	PVC
Standard	TS 3078
Profiles	A, O, OL, B, I, V, M, DO, DI, DT, AK

04



TPE or Bentonite Swelling Tape

Swelling tape for concrete, construction and cold joints that supports waterproofing.

PAGE 08 →

Basis	TPE / bentonite
Size	5 × 20 / 10 × 20 mm
Swelling	> 400%

05



Butyl Tape

Self-adhesive butyl waterproofing tape with aluminium foil or polyester mesh cover.

PAGE 09 →

Material	Butyl rubber
Width	100 / 150 mm
Codes	BUTN10, BUTA10, BUTN15

01 · JOINT SEALING

Expansion Joint Tape

01

Thermoplastic elastomer based, UV-resistant expansion (dilatation) tape used for sealing and insulating wall and floor joints and all kinds of expansion joints.

ADVANTAGES

- ◆ Resistant to temperature changes; remains flexible in cold down to -30 °C.
- ◆ UV resistant. High mechanical and tear resistance.
- ◆ Suitable for use below ground thanks to its resistance to plant roots.
- ◆ Resistant to dilute acids and alkaline solutions.
- ◆ To be bonded with BATO EPD Mortar epoxy-based adhesive mortar.

AREAS OF USE

- ◆ Foundation and retaining wall concrete, building expansion joints
- ◆ Tunnels and similar underground structures
- ◆ Ridge junctions
- ◆ Building joints and cracks
- ◆ Terraces, balconies, exterior facades
- ◆ Wet areas, parapet walls
- ◆ Ponds, waste water units
- ◆ Multi-storey car parks and parking areas

TECHNICAL SPECIFICATIONS

Chemical structure	TPE (thermoplastic elastomer)
Colour	Grey
Width	15-30 cm
Length	20 m roll
Thickness	1.00 - 1.5 - 2.00 mm
Hardness (Shore A)	70
Service temperature	-40 °C / +90 °C
Elongation at break	600 %

Thermal source temperature	270 °C
Tear strength	> 600 N/cm
Resistance to water pressure	> 8 bar
Tensile strength	> 6 MPa
UV resistance	> 7500 h
Bitumen / sulphuric acid resistance	Good / Good
Alcohol / detergent resistance	Good / Good
Quality certificate	ISO 9001:2015



PERFORATED · GREY

PACKAGING

WIDTH	TYPE	ROLL
15 cm	Perforated	20 m
20 cm	Perforated	20 m
25 cm	Perforated	20 m
30 cm	Perforated	20 m

20 m roll (1 piece).

01 · EXPANSION JOINT TAPE

Application Guide

01

SURFACE PREPARATION

The application surface must be cleaned of dust, paint, dirt, detergent, etc. and must be clean, dry, smooth and solid. Areas requiring repair must be repaired in advance. The expansion tape must be applied on the deck concrete. If screed or any coating has been applied on the deck concrete, it must be cut and trimmed back to the deck concrete.

APPLICATION

- 1 The application width must be **at least 40 mm for 20 cm wide tape** and **at least 50 mm for 30 cm wide tape**.
- 2 Determine the application areas in advance and prepare suitable tape lengths. Tapes that require splicing are joined by **welding with a hot air gun** before application; BATO EPD Mortar adhesive is not used for splicing.
- 3 Spread BATO EPD Mortar adhesive thoroughly on the application surface, then lay the tape. Press it so that the adhesive comes out through the holes of the tape.
- 4 Apply adhesive over the perforated part of the tape so that the tape is enclosed between two adhesive layers. Apply at a thickness of **1.0–1.5 mm**, overlapping the tape by **at least 20 mm**.
- 5 Apply BATO Expansion Joint Tape with BATO EPD Mortar epoxy adhesive in an **inward or outward omega (Ω) shape**.
- 6 **Horizontal joints:** in areas with high movement, before applying the tape, lay polyethylene roving with a diameter 1 cm larger than the joint width into the joint gap and fill with sealant. **Vertical joints:** use the same bonding method, without polyethylene roving and sealant.

POINTS TO CONSIDER

- ◆ Apply the tape in an omega (Ω) shape.
- ◆ The drying time of BATO EPD Mortar is longer in cold weather.
- ◆ Do not apply in rainy weather.
- ◆ Do not apply on surfaces exposed to rain or frost within 24 hours.

SAFETY MEASURES

- ◆ Always read the instructions for use.
- ◆ Keep away from children.
- ◆ Keep away from fire.
- ◆ Use suitable protective equipment during application.

STORAGE AND SHELF LIFE

Can be stored for **5 years** in its unopened original packaging in a cool, dry place protected from frost. Pallets should not be stacked on top of each other for long-term storage.

MIN. WIDTH	ADHESIVE	OVERLAP
40 / 50 mm	1.0–1.5 mm	≥ 20 mm

02 · JOINT & CHAMFER WATERPROOFING

TPE Chamfer Tape

02

Thermoplastic elastomer based, elastic joint and chamfer tape with felt or polyester reinforced edges, used for waterproofing structural joints.

ADVANTAGES

- ◆ High elasticity.
- ◆ Quick and easy to apply.
- ◆ Resistant to chemical substances.
- ◆ Resistant to harsh weather conditions, UV rays, impacts and bending.
- ◆ Suitable for all kinds of waterproofing work thanks to easy cutting and joining by welding.
- ◆ Can easily be fixed mechanically thanks to its holes.
- ◆ Its continuous elastic structure withstands all kinds of structural movements.

AREAS OF USE

- ◆ Chamfers in wet rooms
- ◆ Ponds and treatment plants
- ◆ Chamfers of water tanks
- ◆ With its elastic structure, accommodates and insulates movements in cold joints and cracks in slabs and walls
- ◆ Balconies and parapets
- ◆ Terraces and roof finishes

SURFACE PREPARATION

The application surface must be cleaned of dust, paint, dirt, detergent, etc. and must be clean, dry, smooth and solid. Surfaces requiring repair should be repaired at least one day in advance with a suitable repair mortar.

APPLICATION

Before applying the waterproofing material, cut the chamfer tape to suit the area. Apply the first layer of the brush-applied waterproofing material (slightly more, so that the tape settles well), lay the chamfer tape and make sure it is embedded in the waterproofing material. After the first layer has cured, complete the process by applying the next layer of waterproofing material.

Storage: 5 years in unopened original packaging in a cool, dry, frost-protected place; do not stack pallets for long-term storage. **Safety:** read the instructions for use, keep away from children and fire, use suitable protective equipment.



SYSTEM WIDTH	THICKNESS	ROLLS
120 mm	0.60 mm	10 / 50 m

TECHNICAL SPECIFICATIONS

Chemical structure	TPE (thermoplastic elastomer) & felt or polyester mesh
System width	120 mm
Service temperature	-40 °C / +90 °C
Thickness	0.60 mm
Water pressure resistance	1.5 bar
Packaging	10 or 50 m rolls
Quality certificate	ISO 9001:2015

POINTS TO CONSIDER

- ◆ Do not apply in high-temperature environments.
- ◆ Embed the tape while the waterproofing material is wet.
- ◆ After application, bring waterproofing material over the tape.
- ◆ Do not apply on surfaces exposed to direct sun and strong wind.
- ◆ Do not apply on surfaces exposed to rain or frost within 24 hours.

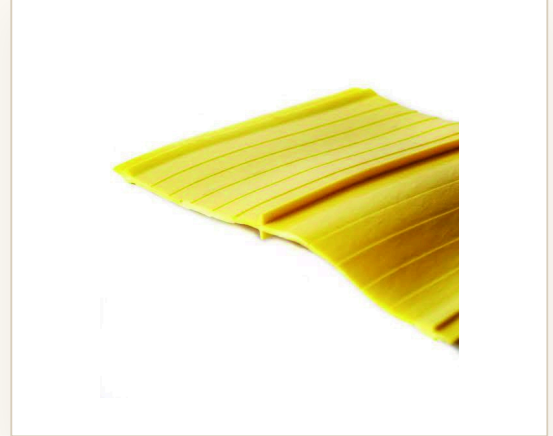
03 · CONCRETE JOINT WATERSTOPS

PVC Waterstop Tape

03

PVC waterstop tapes provide water tightness in expansion and contraction joints of concrete structures and in construction joints formed where concrete is poured at different times, and prevent damage to the structure.

The blend of PVC (polyvinyl chloride) with chemical additives and dyestuffs that increase the life and strength of the material is shaped in an extruder at a controlled temperature and pressure. Production is based on international standards such as TS 3078, DIN and ASTM and the specifications of institutions such as DSI and Highways.



AREAS OF USE

Tunnels	Metros	Bridges	Channels	Sewerage
Pools	Dams	Treatment plants	Water tanks	

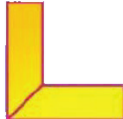
Roll sizes are standard values. Different sizes can be produced upon customer request. Roll length: 20 m.

TECHNICAL SPECIFICATIONS — RAW MATERIAL: POLYVINYL CHLORIDE (PVC)

PROPERTY	TEST METHOD	UNIT	VALUES	TOLERANCE
Tensile strength	TS 3078-1 & 2	N/mm ²	Average value 14	-10%
			Smallest value 12	
Elongation rate	TS 3078-1 & 2	%	Average value 225	
			Smallest value 200	
Degree of hardness	TS 3078-1 & 2	Shore A	80	± 5
Unit volume mass	TS 3078-1 & 2	g/cm ³	1.27	± 0.04
Water absorption by mass	TS 3078-1 & 2	%	≥ 1.5	-10%
Ash by mass	TS 3078-1 & 2	%	≥ 5	
Width	TS 3078-1 & 2	mm	According to tape type	
Thickness	TS 3078-1 & 2	mm	According to tape type	

JOINT PARTS

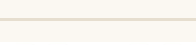
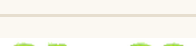
Special parts for joining waterstop tapes together are manufactured in our factory as required.

					
VERTICAL "L"	VERTICAL "T"	VERTICAL "+"	FLAT "L"	FLAT "T"	FLAT "+"

03 · PVC WATERSTOP TAPE

Profile Types & Sizes

Cells show the available **flange thicknesses (mm)** for each tape width. Application: central, for all types.

TYPE	PROFILE	WIDTH (CM) → FLANGE THICKNESS (MM)										RECOMMENDED JOINTS & CONDITIONS
		15	20	22	23	24	25	26	30	32	35	
A		4 5 6 7 10	5 7	10	7 10	–	5 6 8 10	–	6 7 9 10	–	–	Expansion joints with low, medium and high degrees of expansion, shear movements, and water pressure of any intensity.
O		3 4 5	3 4 5	4 5 6	–	–	–	4 5 6	5 6	4 5	–	
OL		–	5 6 10	–	–	–	5 6 7 8	–	7 8 9 10	5 8 10	8 9 10	
B		5 7 8 10	5 6 7 8 10	–	10	–	5 6 8 10	–	6 7 8 10	–	–	Fixed, non-expanding construction joints and contraction joints; low and high water pressure.
I		3 4 5	4 5 6 8	–	–	–	4 5 6 8	–	4 5 6 7 8	–	–	
V		3 4 5	4 5 6 7 8	–	–	–	4	–	–	–	–	Construction and contraction joints and joints with slight expansion; high water pressure.
M		–	4 5 6 8	–	–	–	4 5 6 8 10	–	5 6 7	–	–	High-expansion joints, shear movements and high water pressure; structures with significant settlement.
DO		–	4 5 6 8	–	–	–	4 5 6 8	–	–	–	6	Expansion joints with medium expansion or shear movements; low water pressure.
DI		–	4 5 6 8	–	–	–	4 5 6	–	–	–	–	Construction joints and contraction joints; low water pressure.
DT		–	4 5 6 8	–	–	–	4 5 6 8	–	–	–	–	
AK		–	3 4 5	–	–	3 4 5 6	–	–	–	–	–	Non-expanding construction joints on stable ground (generally swimming pools and small-capacity water tanks).

HOW TO SPECIFY

State the **profile type**, **width (cm)** and **flange thickness (mm)** — e.g. Type A · 25 cm · 8 mm — together with the required joint parts. Different sizes can be produced upon customer request.

04 · CONSTRUCTION & COLD JOINTS

TPE or Bentonite Swelling Tape

04

BATO swelling tape is a thermoplastic (TPE) based or bentonite-based swelling tape for concrete joints, construction joints and cold joints, which supports waterproofing.

ADVANTAGES

- ◆ Flexible, with suitable cross-section dimensions; easily applied to all kinds of folds and grooves on the surface.
- ◆ Fast and high expansion capacity.
- ◆ Unlimited and reversible expansion (capacity to return to its original state).
- ◆ Maintains dimensional stability even at high temperatures.
- ◆ Suitable for contact with groundwater, tap water, salt water, pure water and alkaline (cement) water.
- ◆ Easy to apply thanks to its dimensions, even in areas with dense reinforcement.
- ◆ No primer required.
- ◆ The dimensional change allows the material to form a water barrier within the reinforced concrete structure and to fill possible voids.

POINTS TO CONSIDER

- ◆ Store dry, away from humidity and direct sunlight.
- ◆ Ensure the surface is clean and smooth.
- ◆ Not suitable for expansion joints.
- ◆ Previously deformed tapes must not be used.

AREAS OF USE

- ◆ Cold joints and construction joints
- ◆ Foundation and retaining wall concrete
- ◆ Junctions of old and new concrete
- ◆ Retaining walls
- ◆ Water tanks and pools
- ◆ Tunnels, subways, dams, motorways and all kinds of construction
- ◆ Sewerage, water treatment plants and manholes
- ◆ Underground pipe and cable penetrations

METHOD OF USE

- ◆ Correct very rough surfaces with repair mortar before application; the substrate must be durable and clean.
- ◆ Apply at least 8 cm from the concrete face exposed to water.
- ◆ Fix with suitable mounting adhesive or by nailing; nails at 15 cm intervals.
- ◆ At junctions, place the two tapes 50 mm side by side.
- ◆ The surface may be damp, but there must be no standing water.



TECHNICAL SPECIFICATIONS (TPE)

Basis	TPE (thermoplastic elastomer)
Dimensions	5 × 20 mm / 10 × 20 mm
Density	Approx. 1.25 g/cm³
Expansion pressure	Approx. 1.06 N/mm²
Fire class	Class E (DIN EN 13501-1)
Swelling capacity	> 400%
Dangerous chemicals	None

PACKAGING

5 × 20 mm · 20 m/roll

PACKAGING

10 × 20 mm · 10 m/roll

SHELF LIFE

24 months

Storage: in a closed, dry and clean environment in its original packaging.

05 · SELF-ADHESIVE SEALING

Butyl Tape

05

BATO Butyl self-adhesive tape is a 10 cm wide waterproofing butyl tape with metallic self-protection (1.1 kg/m²).

It consists of an SBS-modified butyl mastic, with natural-colour aluminium foil (50 micron) as the protective material on the upper side and polyethylene film as the release material on the lower side. Used for small leaks, chimneys, joinery, etc.

ADVANTAGES AND FEATURES

- ◆ Bonds very well to all known material surfaces.
- ◆ Good adhesion to metals, concrete, masonry, wood, glass, rigid PVC, bitumen and paint systems.
- ◆ High resistance to UV rays, bad weather and water.
- ◆ Suitable for indoor and outdoor use.
- ◆ Tight against vapour diffusion.
- ◆ Self-sealing.

PRODUCT CODES AND PACKING

CODE	DESCRIPTION	WIDTH	BOX	PALLET
BUTN10	BATO Butyl, net	100 mm	12 rolls × 10 m = 120 m / box	30 boxes · 3,600 m / pallet
BUTA10	BATO Butyl, aluminium	100 mm	12 rolls × 10 m = 120 m / box	30 boxes · 3,600 m / pallet
BUTN15	BATO Butyl, net	150 mm	6 rolls × 10 m = 60 m / box	30 boxes / pallet

METHOD OF APPLICATION

- ◆ Surfaces must be dry, clean and free of loose particles.
- ◆ Determine the areas and prepare suitable tape lengths. Remove the silicone release paper and apply the tape to the surface. Press with a roller to ensure perfect adhesion.

SAFETY WARNINGS

- ◆ Avoid smoking; ensure continuous ventilation of the application area.
- ◆ Use protective equipment such as goggles and gloves.
- ◆ For professional users, taking into account the technical data.



AREAS OF USE

- ◆ Sealing in the construction industry
- ◆ Joints and ends of curtain wall panels
- ◆ Sound and vibration absorber in the automotive and household appliance industries
- ◆ Air tightness in ventilation ducts
- ◆ Waterproofing of modular metal water tanks

TECHNICAL SPECIFICATIONS

Chemical composition	Butyl rubber
Cover	Thin mesh polyester netting or aluminium foil
Colour	White or aluminium (other colours upon request)
Thickness	1 mm
Density	1–1.2 g/cm²
Water absorption	Negligible
Application temperature	+5 to +30 °C
Temperature resistance	-40 to +120 °C
Resistance to chemicals / weathering	High / High
Shelf life	18 months

Storage: unopened original packaging, cool and dry, protected from frost; max. 2 pallets stacked; first-in, first-out. Opened, unmixed products should be used within max. 2 days.



BATO

Reliable Ever

CONTACT

Request a quotation or technical data

Send us the product, type, dimensions and quantity you need — our export team will reply with an offer and delivery details.

E-MAIL

info@batotrade.com

PHONE

+90 553 847 43 73

+90 541 938 34 41

WHATSAPP

+90 541 938 34 41

WEB

www.batotrade.com

ADDRESS

BATO Dış Ticaret Limited Şirketi

Kurtköy Mah. Ankara Cad. Yelkan Plaza No:289/41, Pendik / İstanbul, Türkiye

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countries in our customer network