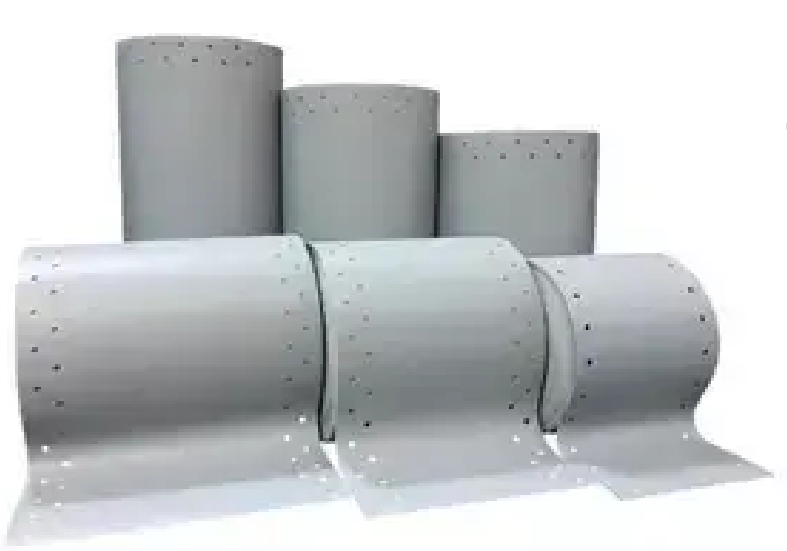
BAUEXPORT

Dilatation Tape
Champer Tape
Swelling Rubber



Expansion Joint Tape

Thermoplastic elastomer based is a permanently elastic dilatation band used in joints of all types of construction and expansion joints. During application, high performanc Epoxy Adhesive should be used.

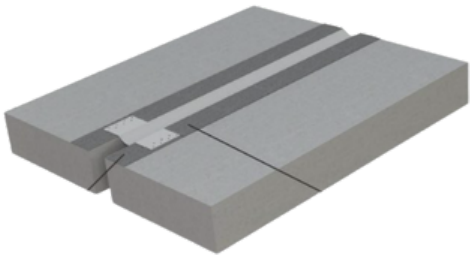
Application Areas

- In underground applications – underneath the plants.
- In waterproofing of horizontal / vertical dilatations.
- In the insulation of wide and irregular cracks.
- In elastic waterproofing of base-parapet connections.
- In the joints of different building materials such as steel construction and reinforced concrete.
- In the swimming pool and wastewater units.
- It is used in tunnel and similar underground structures.

Advantages

- UV resistant.
- High resistant to plant roots.
- Resistant to bacterial attacks and chemical degradation.
- High resistant to environmental influences and aggressive environments.
- Easily processable.
- High elasticity.

Test	Standart	Unit	Value
Tensile Strength(Transverse)	EN-ISO 527-3	MPa	4,7
Tensile Strength(Longitudinal)	EN-ISO 527-3	MPa	4,8
Maximum load elongation (Transverse)	EN-ISO 527-3	%	580
Maximum load extension (Longitudinal)	EN-ISO 527-3	%	532
Tear Propagation Resistance (Transverse)	EN-ISO 12310-2	N/mm²	48
Tear Propagation Resistance (Longitudinal)	EN-ISO 12310-2	N/mm²	42
Hardness	ISO 868	Shore A	70
Epoxy peeling resistance	DIN 16860	N/10mm	> 20
Chemical resistance	Water-based and bitumen-based basic insulations Sea water,wastewater, UV rays, Hydrolysis, Microorganism		
Color	RAL 7040		
Water Pressure Resistance	EN 1928	Bar	> 5
Cold forming	SIA 280/3	–	No cracking at -30°C
Service Temperature	SIA V280/3+4	–	30 / +90°C
Thickness		mm	1-1,25-1,5
Width		cm	15-20-25-30-35-40
Weight		gr/cm²	1,050 +-%5



Felt Reinforced Expansion Joint Tape

It is a dilatation tape that is transversely flexible, longitudinally rigid, coated with a special polyester (PES) felt on both sides, and is made of flexible thermoplastic elastomer (TPE) material, the middle part of which is resistant to tears and suitable for adhesion with bitumen and epoxy.

Test	Standard	Unit	Value
Elongation at Maximum Load (Transverse)	EN-ISO 527-3	%	580
Tear Propagation Strength (Transverse)	EN-ISO 12310-2	N/mm²	40
Hardness	ISO 868	Shore A	70
Chemical Resistance	Water-based and bitumen-based basic insulations Sea water, Waste water, UV rays, Hydrolysis, Microorganism		
Colour	RAL 7040		
Water Pressure Resistance	EN 1928	Bar	> 5
Cracking in the Cold	SIA 280/3	–	No cracking at -30°C
Service Temperature	SIA V280/3+4	–	30 / +90°C
Thickness		mm	1.25-1.5
Width	A: Total Width B: Thermoplastic Width C: Flexible Part Width	mm	A/B/C 240/180/60 320/240/80 400/300/100
Weight		g/cm²	1,050 +-%5

Usage Areas

- In underground applications, since it is resistant t plant roots,
- In waterproofing of horizontal/vertical dilatations,
- In the insulation of wide and irregular cracks,
- In elastic waterproofing of base-parapet connectio
- At the junctions of different building materials suc steel construction and reinforced concrete,
- In swimming pool and waste water units,
- It is used in tunnels and similar underground struc

Advantages

- Both sides are laminated felt.
- It is suitable for adhesion with bitumen.
- Waterproof.
- UV resistance is high,
- It has high resistance to plant roots,
- Resistant to bacterial attacks and chemical degradation,
- It has high resistance to environmental effects and aggressive environments,
- Easy to Process,
- It has high elasticity.

Champer Tape/Waterproofing Tape (Net)

Available in desired PAL-PANTONE colors, has a high-elasticity, thin mesh polyester netting carrier made of elastomeric resin.

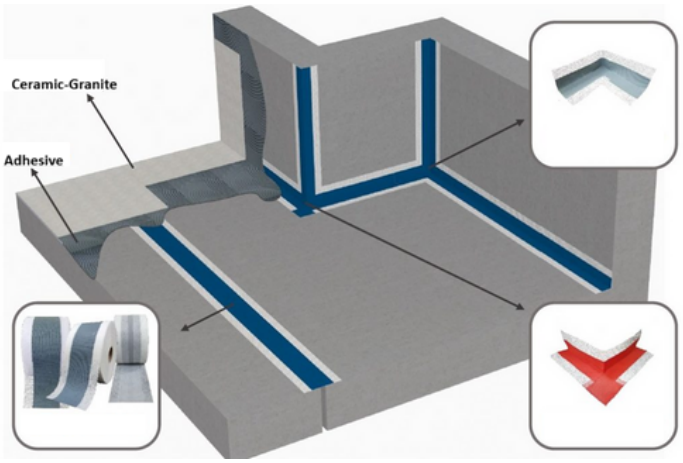
Application Areas

- In the base and wall joints.
- In the isolation of wet spaces.
- In the repair of static cracks.
- Insulation of joints of precast or reinforced concrete roofs.

Advantages

- Easy to apply.
- It provides a continuous insulation.
- It is resistant to many chemicals.
- Resistant to ozone and UV

Test	Standart	Unit	Value
Tensile Strength (Transverse)	EN-ISO 527-3	MPa	30
Tensile Strength (Longitudinal)	EN-ISO 527-3	MPa	76
Maximum Load Elongation (Transverse)	EN-ISO 527-3	%	139
Maximum Load Extension (Longitudinal)	EN-ISO 527-3	%	22
Hardness	ISO 868	Shore A	70
Color	RAL, PANTONE		
Water Pressure Resistance	EN 1928	Bar	>1,5
Cold Forming	SIA 280/3	-	No Cracking at -30°C
Service Temperature	SIA V280/3+4	-	30 / +90°C
Thickness		mm	0,5
Width		mm	120/70 150/100
Weight		gr/mt	38



Champer Tape/Waterproofing Tape (Felt)

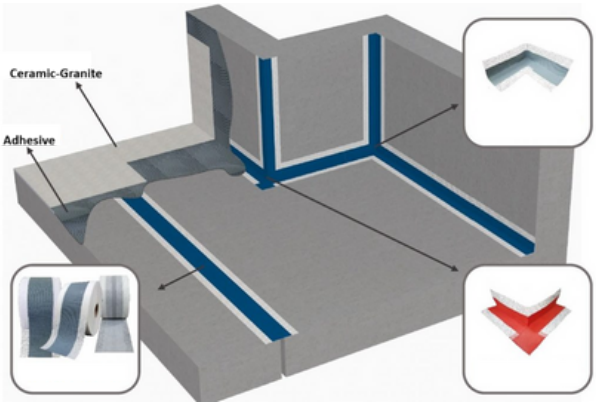
Available in desired PAL-PANTONE colors, has a high elasticity, thin mesh polyester netting carrier made of elastomeric resin. High elasticity.Felt has a felt conveyor with the middle part, made of elastomeric resin in desired colors (RAL, PANTONE). Through its felt carriers, it adapts very well with liquid waterproofing products and forms a seamless insulation layer.

Application Areas

- High alkali resistance, compatible with cement based
- insulation products used in outdoor areas such as terraces and balconies.
- In the isolation of wet spaces.

Advantages

- Easy to apply.
- It provides a continuous insulation.
- It is resistant to many chemicals.
- Resistant to ozone and UV.



Test	Standart	Unite	Value
Tensile Strength (Transverse)	EN-ISO 527-3	MPa	30
Tensile Strength (Longitudinal)	EN-ISO 527-3	MPa	76
Maximum Load Elongation (Transverse)	EN-ISO 527-3	%	139
Maximum Load Extension (Longitudinal)	EN-ISO 527-3	%	22
Hardness	ISO 868	Shore A	70
Color	RAL, PANTONE		
Water Pressure Resistance	EN 1928	Bar	>1,5
Cold Forming	SIA 280/3	–	No cracking at -30°C
Service Temperature	SIA V280/3+4	–	30 / +90°C
Thickness		mm	0,50
Width		mm	120/70 150/100
Weight		g/mt	38

Waterproofing Tape FLD

FLD is a thermoplastic elastomer (TPE) based mesh carrier bevel tape. There is a fold line on the thermoplastic elastomer (TPE) layer that allows easy folding.

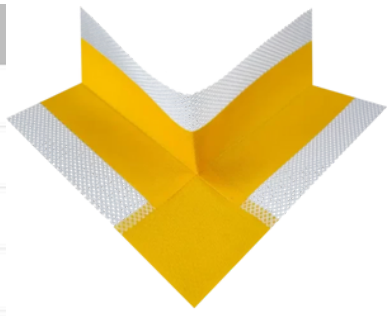
Application Areas

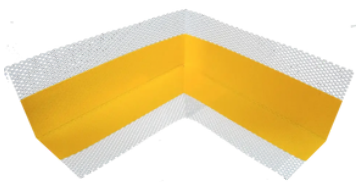
- Chamfers at the floor and wall joints,
- In the insulation of wet areas,
- In the repair of static cracks,
- In the insulation of the joints of precast or reinforced concrete roof gutters.

Advantages

- Thanks to its design, it folds easily and provides significant time savings during application.
- It is thin and does not create extra thickness on the surface it is applied to.
- It provides adhesion and workmanship advantage thanks to its mesh-covered surfaces and elastic structure.
- It is resistant to temperature changes

Test	Standart	Birim	Değer
Tensile Strength (Transverse)	EN-ISO 527-3 (TİP 5)	MPa	6,47
Tensile Strength(Longitudinal)	EN-ISO 527-3 (TİP 5)	MPa	11,93
Elongation at Break (Transverse)	EN-ISO 527-3 (TİP 5)	%	95
Elongation at Break (Longitudinal)	EN-ISO 527-3 (TİP 5)	%	22
Hardness	ISO 868	Shore A	70
Colour	RAL, PANTONE		
Water Pressure Resistance	DIN EN 1928 (METOT B)		
Thickness		mm	0,55
Width		mm	120/70 150/100
Weight		gr/mt	39





Waterproofing Tape FLX

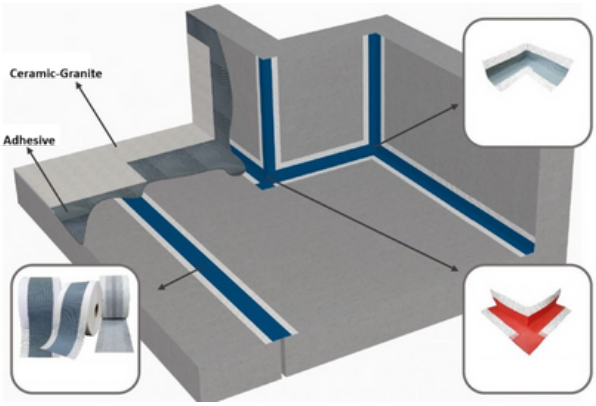
It is a thermoplastic elastomer (TPE) based waterproofing tape, specially designed for the insulation of moving joints, easy to apply and time-saving.

Usage Areas

- Indoors and outdoors,
- In wet areas,
- In pools,
- In water tanks,
- On balconies, parapets,
- On terraces, roof ends,
- It is used to compensate and insulate movements in cold joints and dynamic cracks in floors and curtains with its elastic structure.

Advantages

- It has a flexible and self-contained structure.
- It is very easy to apply as its back surface is completely nonvowen coated.
- It saves time compared to other chamfer bands.
- It provides a permanent insulation.
- Resistant to many chemicals.
- It has limited resistance to ozone and UV.



Material Structure	Thermoplastic Elastomer (TPE) Based, Flexible Non-Braided Felt Reinforced
Color	Grey (Can be produced in all requested colors.)
Total Width	120mm/70mm – 150mm/100mm
Thickness	0,60mm +-0,05mm
Elongation at Break (Transverse)	>%180
Compressed Water Resistance	>1,5 Bar
Service Temperature	-30°C – +90°C
Soğukta Katlama	SIA 280/3
Servis Sıcaklığı	SIA V280/3+4

Flexible Textile Membrane

It is a three-layer, transversely flexible, longitudinally inflexible (rigid), extra-flexible thermoplastic elastomer-based waterproofing tape with a special non-woven felt coating on both sides. It is used for sealing and insulation of structural and cold joints.

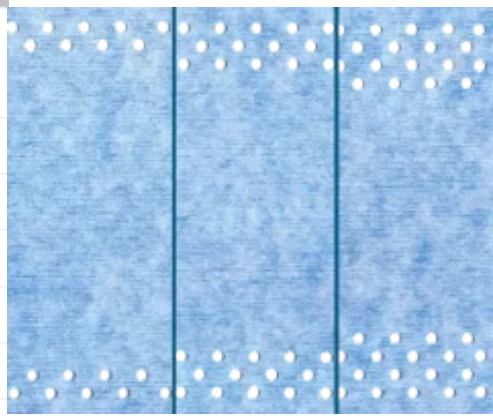
Usage Areas

- Wet area (bathroom, balcony, terrace, roof, pool, industrial kitchen, etc.) waterproofing applications,
- Horizontal and vertical joint and champer insulation,
- In the shower channel surrounds and drain unit insulation,
- In ceramic and natural stone applications,
- On balconies and parapets,
- It is used to compensate and insulate movements in cold joints and dynamic cracks in floors and curtains, thanks to its elastic structure.

Advantages

- Easy to apply,
- It is thin and does not create extra thickness on th applied surface.
- Thanks to its felt-covered surfaces and its elastic structure, it provides adhesion and workmanship advantage.
- It is resistant to temperature changes.

Test	Standard
Material Structure	Thermoplastic Elastomer (TPE) Based, Flexible Non-Braided Felt Coated On Two Surfaces.
Colour	Blue (Can be produced in all desired colour.)
Total Width	Can be manufactured in any width up to 700mm.
Thickness	0,65mm +-0,1mm
Elongation at Break (Transverse)	>%270
Compressed Water Resistance	>1,5 Bar
Service Temperature	-30°C – +90°C



TPE Based Hydrophilic Swelling Rubber

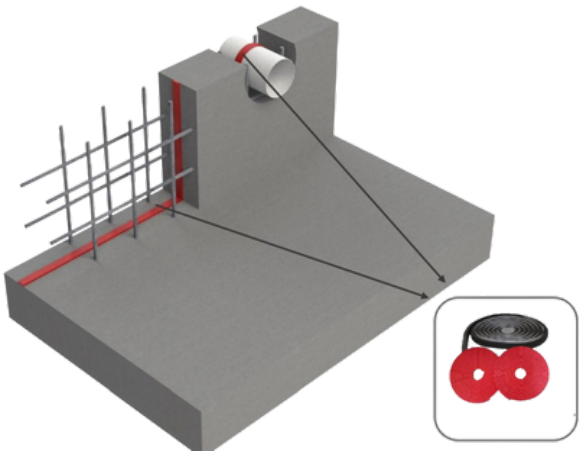
SB400, Thermoplastic Elastomer (TPE) based hydrophilic particles with high swelling and long cycle capacity.

Application Areas

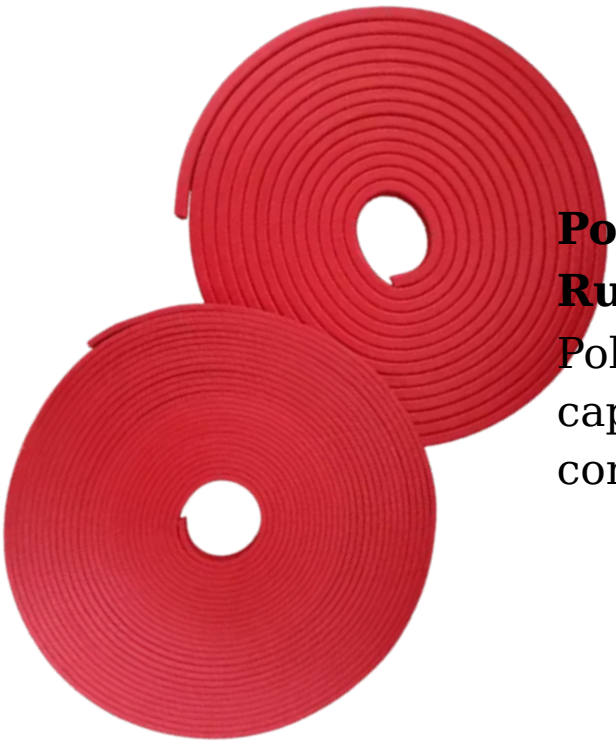
- Indoor and outdoor places.
- Pools, water tanks, treatment plants.
- In basic-curtain combinations.
- Pipe inlet and outlet.
- Construction joints in cable ducts.
- In tunnel segments.
- In the joints of old and new concrete.
- Used in construction joints.

Advantages

- Easy application.
- Flexible.
- Controlled swelling does not inflate suddenly in concrete casting and does not damage concrete.
- It is resistant to high salt concentration and various chemicals,
- There is no disintegration and.
- The cycle capacity is high.



Expansion rate	>%400
Elongation at break	%490/770
Tensile strength	1.1/2.1 Mpa
Color	Blue, Red, Yellow, Green (can be produced in all colors.)
Density	1.25 g/cm3
Hardness	40 Shore A
Application	-30°C / 70°C



Polymer Based Hydrophilic Swelling Rubber

Polymer-based, high swelling and long cycle capacity swelling waterstop joint tape containing hydrophilic particles.

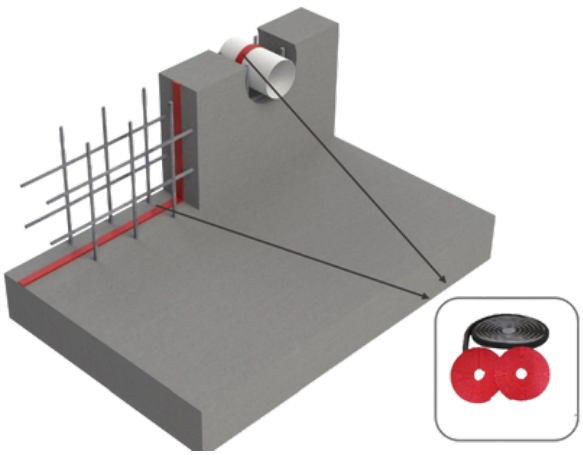
Application Areas

- Indoor and outdoor places.
- Pools, water tanks, treatment plants.
- In basic-curtain combinations.
- Pipe inlet and outlet.
- Construction joints in cable ducts.
- In tunnel segments.
- In the joints of old and new concrete.
- Used in construction joints.

Advantages

- Easy application.
- Flexible.
- Controlled swelling does not inflate suddenly in concrete casting and does not damage concrete.
- It is resistant to high salt concentration and various chemicals,
- There is no disintegration and.
- The cycle capacity is high.

TEST	STANDARD	VALUE
Expansion rate after 7 days	DIN 73521	300%
Expansion rate after 14 days	DIN 73521	300%
Wet-dry expansion ratio	DIN73521	250%
Water pressure resistance	-	7 bar / 70 m
Color	-	RED/BLUE/YELLOW
Density		1.3-1.4 g/cm3
Application temperature	-	-20°C / 50°C
Test water hardness (CaCO3)	-	200 ppm



Bentonite Based Swelling Rubber

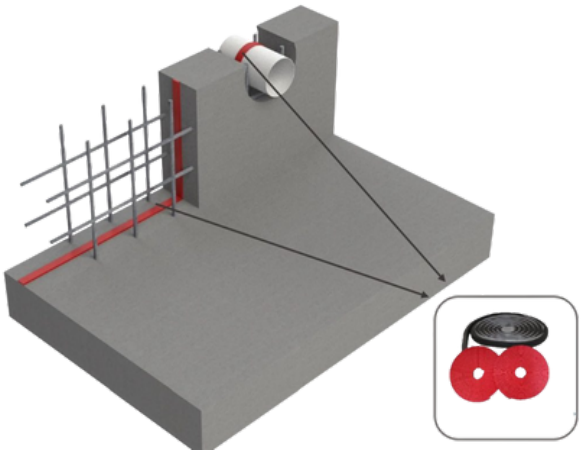
BNT is a sodium bentonite and butyl rubber based waterstop joint tape that expands when in contact with water. It expands up to 300% in volume when in contact with water, and returns to its original state in a dry environment.

Application Areas

- Indoors and outdoors,
- In pools, water tanks, treatment plants,
- In foundation-curtain combinations,
- In manholes,
- At pipe inlets and outlets,
- Construction joints in cable channels,
- In tunnel segments,
- At the junctions of old and new concretes,
- It is used in construction joints.

Advantages

- It does not require welding at the joints.
- It can be easily cut with scissors and a utility knife.
- It is not affected by freezing and thawing.
- Resistant to oxidation and corrosion.



TEST	STANDARD	VALUE
Expansion rate after 7 days	DIN 73521	200%
Expansion rate after 14 days	DIN 73521	300%
Wet-dry expansion ratio	DIN73521	200%
Water pressure resistance	-	5 bar / 50 m
Color	-	BLACK
Application temperature	-	-20°C / 50°C
Test water hardness ($CaCO_3$)	-	200 ppm

Butyl Tape

It is a polypropylene nonwoven fabric or aluminum foil reinforced butyl rubber based self adhesive insulation tape.

Application Areas

- For sealing in the construction industry.
- As sound absorber and vibration absorber in the automotive and household appliances industry.
- For air tightness in ventilation ducts.
- For waterproofing in modular metal water tanks.
- It is used at the joints and ends of curtain wall panels.

Advantages

- It fits very well with all known material surfaces.
- It has a wide variety of components in sealing systems that provide good adhesion properties, which are well compatible with metals, concrete, masonry, wood, glass, hard PVC, bitumen, paint systems.
- It has high resistance to UV rays, bad weather and water.
- It can be used both indoors and outdoors.
- Leak proof against steam diffusion.
- It shuts off by itself.
- Compatible with plexiglass and macrolon.

Chemical Composition	Butyl Rubber
Color	Grey
Thickness	1mm
Width	100 – 150 mm
Density	1 – 1.2 gr/cm^2
Water Absorption	Can be neglected.
Application Temperature	+5 – +30 °C
Temperature Resistance	-40 – + 120 °C
Resistance to Chemicals	High
Resistance to External Environment	High

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