



R E V I T A L I S I N G S O L U T I O N S F O R B U I L D I N G S

- Bituminous waterproofing membranes
- Asphalt shingles
- Corrugated bituminous sheets
- Self-adhesive waterproofing tapes
- Bituminous liquid products
- New generation waterproofing products
- PVC-based synthetic membranes
- Green roofing systems
- XPS Thermal insulation boards



With its head office in İzmir, the foundations of BTM, the leading insulation company of Turkey, were laid in İstanbul in 1975 by Türkiye Şişe Cam Group. It has been increasingly maintaining its operations through new and technological investments in its production plants in the Kemalpaşa Organized Industrial Zone since 1986. It has five production plants where waterproofing, thermal insulation and roofing materials are produced. A company of the BTM Group, Polpan KZ is a plant operating in Kazakhstan and producing thermal insulation sheets and bituminous waterproofing products.

Breaking grounds in Turkey, BTM has clinched its leading position in the insulation sector by producing polymer bituminous waterproofing membranes in 1989; closed-cell XPS thermal insulation sheet in 1994 and roofing material Asphalt Shingle in 1996 for the first time.

Considering the changing market and competitive conditions in the world, BTM has developed its own technology and products, invested in an engineering force and laboratory infrastructure and implemented projects in common with research organizations and universities at home and abroad, and continues to move the insulation sector one step forward through the firsts it has created.

Backed by the complex production plants equipped with advanced technology and an R&D force consisting of specialized staff members, BTM is a reliable business partner with its smart solutions and high quality products.

Having rapidly enhanced its range of products since its foundation, BTM products are offered in a wide range which may respond to each and every need of the user from the roof to the foundation. Thanks to the technology it possesses, BTM has the ability and capability of producing more than 180 different products.

BTM has a very wide product range with;

- Polymer modified bituminous membranes
- PVC-based synthetic membranes (Polyplan)
- Green roofing systems
- Bitumen-based shingle - BTM Shingle
- Corrugated bituminous sheet - Corru-bit
- Bitumen-based liquids
- Construction chemicals
- Self-adhesive waterproofing tapes
- Thermal insulation systems (XPS thermal insulation boards)
- New generation waterproofing products (Acrylic, epoxy, polyurethane, polyurea and alpha-hybrid based)



BTM registered its structure aiming at new and competitive solutions which it has adopted as a principle with the ISO 9001:2000 certificate in 1997, placing great importance on customer satisfaction.

In 1999, it established the Quality Management System in its Quality Control and R&D Laboratories in compliance with the TS EN 45001 Accreditation Standard, thus taking the title of the first certified laboratory in its sector. With the conversion of TS EN 45001 Standard to the TS EN ISO/IEC 7025 Standard in 2002, the Laboratory Quality System was revised and it now serves with 41 different tests required for insulation products. In 2017 first R&D Center of insulation sector has been established by BTM.

At BTM, each product bears an unconditional quality assurance in each and every process from the production to the moment it reaches the user.

R&D strategies of BTM, where technological and production works are implemented at global standards have been established to produce products, are;

* Environment friendly
Smart and easy-to-use for customer satisfaction,
Economical and suitable to future standards

For R&D studies performed in the field of activity of BTM, cooperation is made with universities, suppliers, research organizations and institutes, both at home and abroad.

BTM's pre-eminent basic strategic goals are to maintain its leadership, increase its exports and perform environment friendly production.

Being known with quality and reliability in its sector since its foundation, BTM provides solutions to insulation problems through its a big network of dealers all over Turkey and offers complete technical support and solutions regarding its products.

BTM also provides periodical training for the correct use of the products it has developed in compliance with the requirements of the sector and make its users conscious, thus enhancing the quality of application.



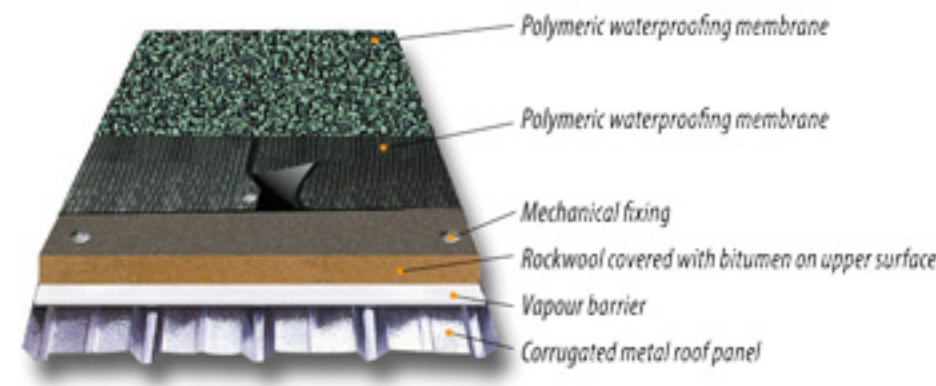
btm[®]
revitalising solutions for buildings

bltm elastobit

Elastomeric polymer bituminous waterproofing membrane



Carrefour - Istanbul



Those coloured types of the polymer bituminous membranes coated with reflective mineral on one side (Red, Green, Slate, White) allow for the preparation technical and aesthetic details for different purposes on your roofs.



Of the fibreglass-reinforced models of Elastobit series, CE2 and CE3 are used as first coat membranes in those waterproofing applications with two or more layers on roofs and in foundations.

SBS ELASTOMERIC POLYMER BITUMINOUS WATERPROOFING MEMBRANES

(Propane torch applied)

	Membranes	Roll Size
Fibreglass-reinforced	CE 2	1x15 m
	CE 3	1x10 m
POLYESTER FELT-REINFORCED	PE 3	1x10 m
	PE 3 M	1x10 m
	PE 3 AL	1x10 m
	PE 4	1x10 m
	PE 4 M	1x10 m
	PE 4 AL	1x10 m
	PE 5	1x8 m
	PE 5 M	1x8 m

LEGEND:

AL: Aluminium Foil
M: Coloured Mineral-coated waterproofing membranes - Slate, White, Red, Green

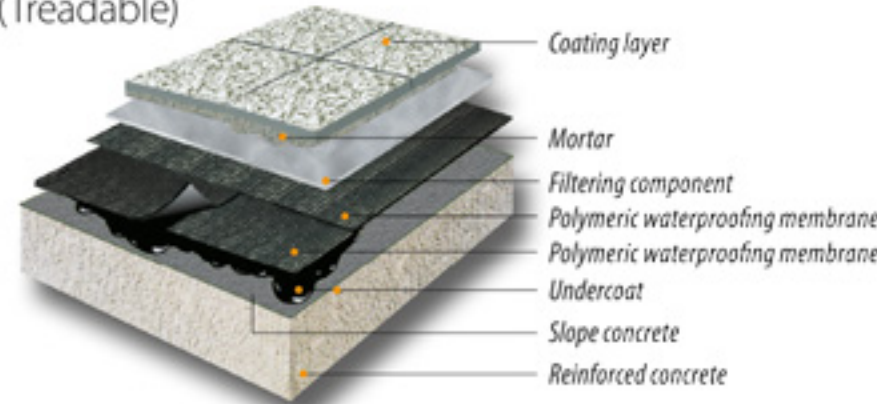
bltm plastobit

Plastomeric polymer bituminous waterproofing membrane



SSO Göztepe Children's Hospital - Istanbul

TERRACE ROOF WITHOUT THERMAL INSULATION (Treadable)



Those coloured types of the polymer bituminous membranes coated with reflective mineral on one side (Red, Green, Slate, White) allow for the preparation technical and aesthetic details for different purposes on your roofs.



Polymer bituminous waterproofing membranes of the Plastobit series are the very first polymer bituminous membranes ever produced in Turkey. Of the Plastobit series waterproofing membranes, PP4000V model with a high softening point is the one suitable for waterproofing on bridges and viaducts. PP4000V are reliably used at highway networks.

APP PLASTOMERIC POLYMER BITUMINOUS WATERPROOFING MEMBRANES

(Propane torch applied)

	Membranes	Roll Size
Fibreglass-reinforced	CP 2000	1x15 m
	CP 3000	1x10 m
POLYESTER FELT-REINFORCED	PP 3000	1x10 m
	PP 3000 M	1x10 m
	PP 3000 AL	1x10 m
	PP 4000	1x10 m
	PP 4000 M	1x10 m
	PP 4000 AL	1x10 m
	PP 4000 V	1x10 m
	PP 5000 M	1x8 m

LEGEND:

AL: Aluminium Foil
M: Coloured Mineral-coated waterproofing membranes - Slate, White, Red, Green

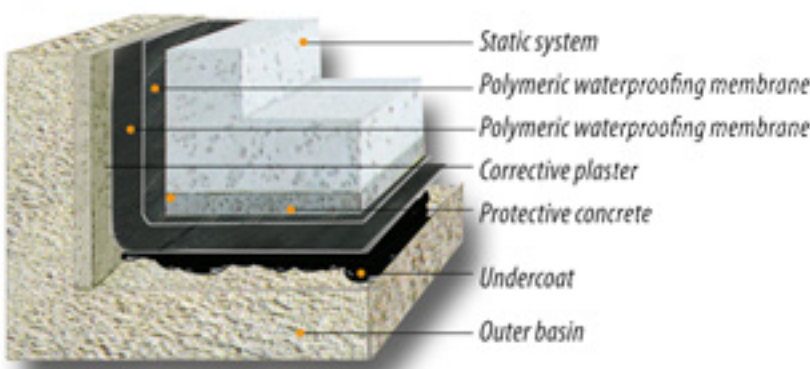
bltm polibit

Plastomeric polymer bituminous waterproofing membrane



Ağaoglu Ataşehir - Istanbul

INTERNAL FOUNDATION INSULATION (against pressurised water)



Those coloured types of the polymer bituminous membranes coated with reflective mineral on one side (Red, Green, Slate, White) allow for the preparation technical and aesthetic details for different purposes on your roofs.



Fibreglass-reinforced C2000 and C3000 are used as first layer membranes in those waterproofing applications with two or more coats on roofs and in foundations. Polyester felt-reinforced members of the Polibit series, P3000 and P4000 are used as first and second layer membranes in the multi-layer waterproofing applications on roofs and in foundations.

APP PLASTOMERIC POLYMER BITUMINOUS WATERPROOFING MEMBRANES

(Propane torch applied)

	Membranes	Roll Size
Fibreglass-reinforced	C 2000	1x15 m
	C 3000	1x10 m
POLYESTER FELT-REINFORCED	P 3000	1x10 m
	P 3000 M	1x10 m
	P 4000	1x10 m
	P 4000 M	1x10 m
	P 5000 M	1x8 m

LEGEND:

M: Coloured Mineral-coated waterproofing membranes - Slate, White, Red, Green

bltm levobit

Plastomeric polymer bituminous waterproofing membrane



Ant Yapı Ümraniye - Istanbul

APP PLASTOMERIC POLYMER BITUMINOUS WATERPROOFING MEMBRANES

(Propane torch applied)

	Membranes	Roll Size
Fibreglass-reinforced	CS 220	1x15 m
	CS 330	1x10 m
POLYESTER FELT-REINFORCED	PS 330	1x10 m
	PS 330 M	1x10 m
	PS 430 M	1x10 m

LEGEND:

M: Coloured Mineral-coated waterproofing membranes - Slate, White, Red, Green



Products of Levobit series made from plaster-added bitumen may be reliably used in the insulation details of any buildings located in warm and medium cold climates.

Those coloured types of the polymer bituminous membranes coated with reflective mineral on one side (Red, Green, Slate, White) allow for the preparation technical and aesthetic details for different purposes on your roofs.

bltm ekobit

Plastomeric polymer bituminous waterproofing membrane



EKOBIT is an economy class waterproofing material. It is a bituminous membrane with an underlying base of the fibreglass mat, fibreglass cloth or polyester weighing 3.0 kg/m² and 4.0 kg/m².

APP PLASTOMERIC POLYMER BITUMINOUS WATERPROOFING MEMBRANES

(Propane torch applied)

	Membranes	Roll Size
Fibreglass-reinforced	EC 2000	1x15 m
	EC 4000	1x10 m
POLYESTER FELT-REINFORCED	EP 3000	1x10 m
	SP 300	1x10 m
	SP 400	1x10 m

btm bituproof®

foundation tanking solution



No need for protection screed!
Saves your time and money!

BTM BituProof System is designed to waterproof foundations and to solve foundation waterproofing in dense cities with adjacent buildings in a practical, safe, long lasting and economical way. Bituproof system components are capable to completely adhere to freshly poured concrete.

BTM Bituproof Y

SBS modified bituminous membrane, high strength with a special polyester reinforcement whose side laps are torched

BTM Bituproof Y Plus

SBS modified bituminous membrane, high strength with special double layered polyester reinforcement whose side laps are torched

BTM Bituproof D

SBS modified bituminous membrane, high strength with a special polyester reinforcement whose side laps are torched, with a self-adhesive back layer to ensure waterproofing of curtain walls

FOUNDATION TANKING SYSTEM

Membranes	Roll Size
Bituproof Y (Horizontal) First layer membrane in the foundation base	1x8 m
Bituproof Y Plus (Horizontal) First layer membrane in the foundation base	1x8 m
Bituproof D (Vertical) Self adhesive, curtain wall membrane	1x10 m



btm renova

UNO / DUE

elastomeric bitumen-based, self-adhesive membranes



Places of use:

It is used for waterproofing purposes as the first layer and / or second layer on terraces, roofs and in foundations. Especially in the roof insulation of historic structures which have

fire risk, it has a characteristic of being implemented thanks to the fact that it is self adhesive without using torch flame.

WATERPROOFING SELF-ADHESIVE MEMBRANES

Membranes	Roll Size
RENOVA UNO / DUE	1x10 m

btm drenaj

high density polyethylene dimpled membrane



It is useful to remove the water away from the system after the structural components have been made waterproof with waterproofing membranes in waterproofing systems. Used in removing the

water away from the system and protecting the proofing layers, BTM Draining is a draining and protective material with a blistered profile made of high density polyethylene. Draining volume between the dimples allows for an easy and fast drainage.

Places of use:

BTM Draining high density polyethylene dimpled membranes are used in foundation curtain walls, terrace roofs and floors as well as highways, railways and tunnels to remove the water therefrom.

btm elastoself MD®

self-adhesive waterproofing membrane



Roofing may be easily carried out with light and modern materials of the present day in any buildings such as factories, hypermarkets, warehouses, sports halls, etc. which spread over a large area. While metal trapezoid iron sheets ensure to cross large clearances with a slight slope (terrace), they also reduce the costs of heating / cooling as well as construction costs as they do not cause any loss of space above the column level. Further, they create usable areas by allowing the installation of such fittings as cooling centre, advertising panels and fire smoke windows, etc. on the roof.

BTM offers a long lasting and reliable alternative which may be easily and rapidly applied to water and thermal insulation of buildings with light metal roofs. Polpan thermal insulation sheets, self adhesive Elastoself MD and slate mineral coated polyester felt-reinforced Elastobit membranes are used in this system. Of the components comprising the system. ElastoSelf MD is a self adhesive product and adhered on Polpan sheets in practice. Once the application of ElastoSelf MD which is applied with 10 cm and 15 cm overlaps at the seams is finished, the elastomeric bituminous, polyester felt reinforced membrane which is slate coated on one side is adhered to the surface by full adhesion method, using a propane torch.

SELF-ADHESIVE WATERPROOFING MEMBRANE

Membranes	Roll Size
ELASTOSELF MD	1x20 m
ELASTOSELF MD SAND	1x20 m
ELASTOSELF MD AL	1x20 m

btm poseidon

PO 5000

bitumen-based waterproofing membrane



Places of use:

On terrace roofs, inclined roofs of structures. On curtain walls, it is used for providing basement tanking, water tightness, and moisture proofing.

•Poseidon PO5000 is designated for outstanding performance in many climatic zones thanks to its outstanding flexibility in cold weathers and high temperature resistance in hot weathers. It is used as the bottom and middle layer membrane in waterproofing. •Poseidon PO5000 is used on wet areas such as bathroom-kitchen and the foundations having pressure or non-pressure underground or surface waters.

BITUMEN-BASED WATERPROOFING MEMBRANE

Membranes	Roll Size
Poseidon PO 5000 / M / Sand	1x8 m

btm geotextile

geotextile



It is a fabric-like surface created by combining fibers that are much thinner than a millimeter by needling and heat treatment method.

It is used for filtration, strengthening and protection purposes in buildings. It should be stored in closed places that are not exposed to sunlight. It does not contain harmful and toxic substances to the environment.



poliroof



coloured granule-surfaced waterproofing membranes



BTM Poliroof roofing membranes have two different models: torch applied and self-adhesive. BTM Poliroof membranes are polyester felt-reinforced which offers strength, flexibility and a long life.

Poliroof APP-modified, polymeric bituminous, coloured granule-surfaced waterproofing membranes bring safe, light-weight, economic and long-lasting solutions to the waterproofing of pitched roofs. When Poliroof membranes are used by adhering over the 2mm-thick Polibit C 2000 membrane which is used as the first layer on sloping roofs, they economically offer a unique waterproofing and strength as compared to the other sloping roofing systems.



BTM Poliroof SA MB Roof Ridge Tape (Self-adhesive)

Poliroof SA MB offers rich detail solutions for shingle-covered roofs. Offering permanent, practical and economical solutions in such details as roof ridge, gable wall, hip wall, chimney flashing, eaves plate covering, Poliroof SA MB is surfaced with colour shingle granules and has a polyester felt-reinforced and self-adhesive bitumen layer.

Very easy to apply, Poliroof SA MB may be easily applied by removing the removable foil on its lower surface. While the tape

which is 33 cm wide is usually used on roof ridges, the one which is 50 cm wide is designed to use on such details as baseboards and parapets.

COLOUR GRANULE-COATED WATERPROOFING MEMBRANE

Membranes	Roll Size
POLIROOF PR 4500	1x10 m
POLIROOF SA 4500	1x10 m

SELF-ADHESIVE ROOF RIDGE TAPE

Membranes	Roll Size
POLIROOF SA MB 33	0,33x10 m
POLIROOF SA MB 50	0,50x10 m



roll shingle SA

shingle patterned roll membrane



BTM Roll Shingle is a polyester reinforced waterproofing membrane made of APP modified bitumen, coated with mineral granules with shingle look.

Single layer (no need for an underlay)

Practical alternative to traditional shingles

Polyester reinforced for better tear resistance

APP-modified bitumen for excellent waterproofing properties

Self-adhesive

Available in Red, Green, Grey

Available in two patterns: Round or square



SHINGLE PATTERNED ROLL MEMBRANE

Membranes	Roll Size
ROLL SHINGLE SA	1x10 m

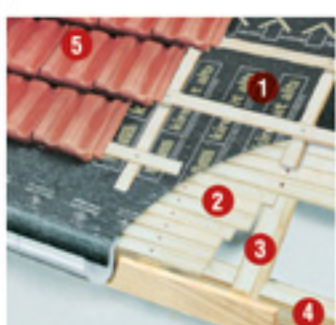


kiremit alti

waterproofing membrane

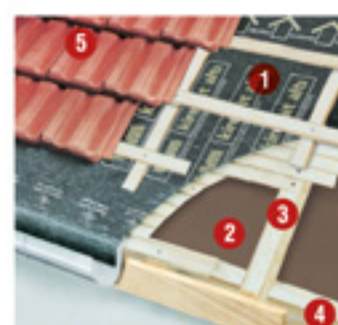
Developed against water leaks frequently encountered in clay-tiled sloping roofs in cases of showers, stormy and rainy weather and snow accumulation, BTM Roof Tile underlayment membranes solve water tightness problems of roof-tiled roofs with four different models. The models KK1000 and KKF1000 contain organic reinforcement and the polypropylene canvas covering one side in the model KKF1000 provides the membrane with a tear-proof characteristic. The models KC2000 and KCF2000 are furnished with long-lasting inorganic fibreglass and the model KCF2000 is strengthened with tear-proof polypropylene canvas.

ROOF TILE WATERPROOFING UNDERLAYMENT (without thermal insulation)



- 1- BTM roof tile waterproofing underlayment
- 2- Covering laths
- 3- Rafter
- 4- Purlin
- 5- Roof-tile

ROOF TILE WATERPROOFING UNDERLAYMENT (with thermal insulation)



- 1- BTM roof tile waterproofing underlayment
- 2- Mineral wool thermal insulation boards
- 3- Rafter
- 4- Purlin
- 5- Roof-tile

OXIDIZED BITUMINOUS WATERPROOFING MEMBRANE



	Membranes	Roll Size
Cardboard-reinforced	KK 800	1x20 m
	KKF 800 (PP Net Laminated)	1x20 m
	KK 1000	1x20 m
	KKF 1000 (PP Net Laminated)	1x20 m
	KK 2000	1x15 m
FIBREGLASS-REINFORCED	KC 2000	1x10 m
	KCF 2000 (PP Net Laminated)	1x10 m



synthetic membrane



Tema Department Stores - İstanbul

Polyplan UG is a non-reinforced flexible PVC-P membrane with a signal layer manufactured under EN 13967 standard. Welded using hot air. Not compatible with asphalt. Non UV resistant.

Areas of application

- Tunnels and buried galleries,
- Cut and cover tunnels, underground works,
- Foundations,
- Basements,
- Flat roofs not exposed to UV.

Specifications

- Highly elastic,
- Signal layer, in order to visually detect any damage during the installation,
- Highly puncture resistant,
- Excellent mechanical properties,
- Long lasting,
- Material can be manufactured in different lengths, according to customer's needs.



Eskidji - İstanbul

Polyplan RU-P is a flexible PVC-P membrane reinforced with a polyester net. Not compatible with asphalt. UV resistant. Manufactured under EN 13956 Standards.

Areas of application

- Leight-weight metallic roofs,
- Concrete roofs with/without thermal insulation,
- Concrete or steel roofs in form of a dome or different shape.

Specifications

- Extremely long-lasting,
- Highly puncture resistant,
- Resistant to wind stress,
- Excellent stability under UV radiation,
- Excellent dimensional stability,
- Excellent mechanical properties,
- Excellent flexibility at low temperatures.



Nezahat Gökyiğit Public Park - İstanbul

Polyplan P is a non reinforced flexible PVC-P membrane manufactured under EN 13967 and EN 13361 standards. Not compatible with asphalt. UV resistant.

Areas of application

- Small lakes in residential buildings, reservoirs and canals

Specifications

- Extremely long-lasting,
- Highly puncture resistant,
- Root resistant according to CEN/TS 14416,
- Excellent stability under UV radiation,
- Excellent dimensional stability,
- Excellent mechanical properties,
- Excellent flexibility at low temperatures



Polyplan WD is a non reinforced PVC-P membrane. Not compatible with asphalt. Non UV resistant. Product manufactured according to EN 13967. Material suitable for the storage of drinking water.

Areas of application

- Suitable for drinkable water reservoirs and tanks.

Specifications

- Suitable for the storage of drinking water
- Extremely long-lasting,
- Highly puncture resistant,
- Excellent dimensional stability,
- Excellent mechanical properties.

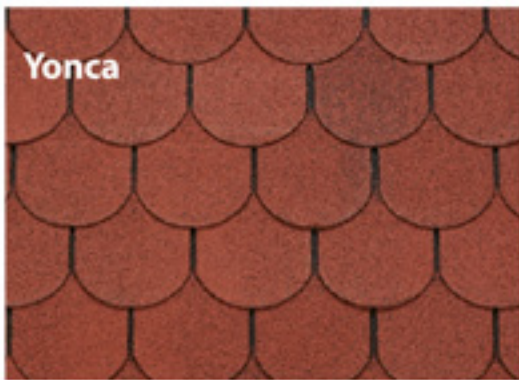


Polyplan Waterstops are used in the joints and dilatations to provide watertightness if any transformation exists which may occur in buildings horizontal and/or vertical actions.

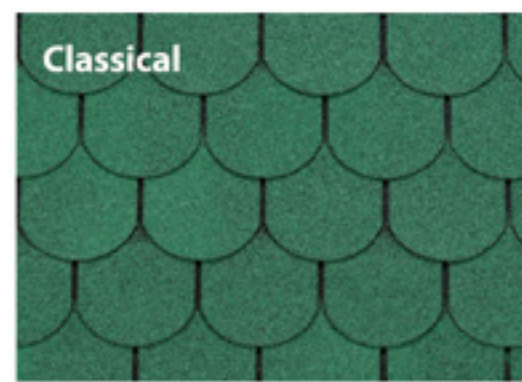
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Classical Series



Galaxy Series



Dragon/ Dragon Flex



Laminated



Shingle was first produced in Turkey in 1997 by BTM. In the initial years when it was first produced, Yaprak and Yonca models which have now become classic were offered to users and attracted a great attention. It is necessary to peel off the removable plastic foil protecting the self-adhesive section and remove it from the shingle sheet during the application of the Dragon, Rustic and Ruby models. Thus, the adhesive section ensures full adherence on the sheets in the next lower row. Galaxy Classic model is applied with roofing shingle nails. Galaxy Modern and Retro models are self-adhesive applied with nails.

You may visit our website at www.btmshingle.com for our rich colour and model options.



“Create Your Own Roof” application allows the users to be able to cover any types of building roofs with the BTM Shingle in any model and colour of their choice. With this application, you will be able to cover the building’s roof with shingle sheets within seconds by easily making your choice from among rich model and colour alternatives. You may either choose the building’s outer façade colour suitable for the shingle colour model which you have chosen from among the frequently used ready-made façade colours or determine it by clicking in the colour palette. Thanks to the Create Your Own Roof application, it is now easier to make your mind... Please visit our website at www.btmshingle.com to try the application.

Laminated Products

BTM Laminated Shingle Prestige with strong fibreglass reinforcement and oxidised bitumen body brings about alternative solutions with its reflective mineral-coated surface in 6 attractive colours on sloping roofs and façades.



Dragon - Bakir Kahve



Dragon - Kum Gri

Tuzla - İstanbul

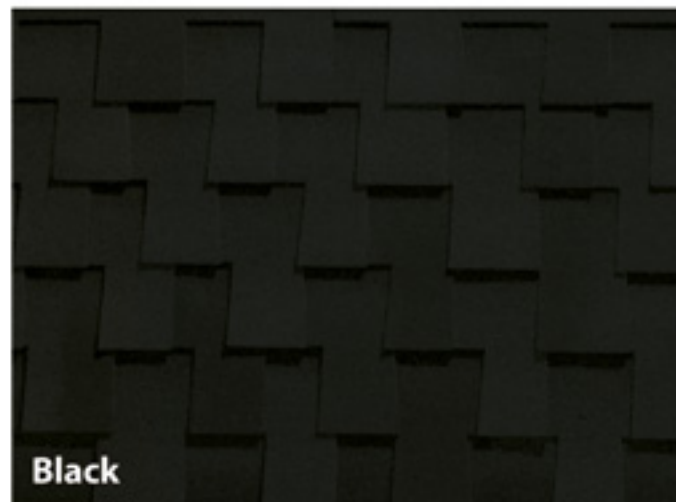
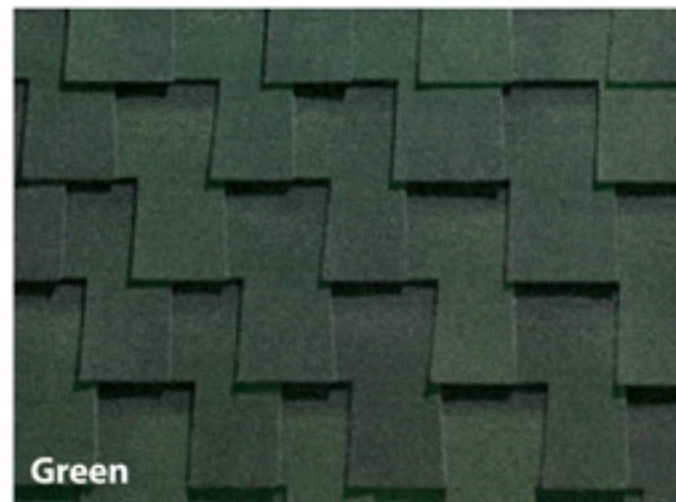
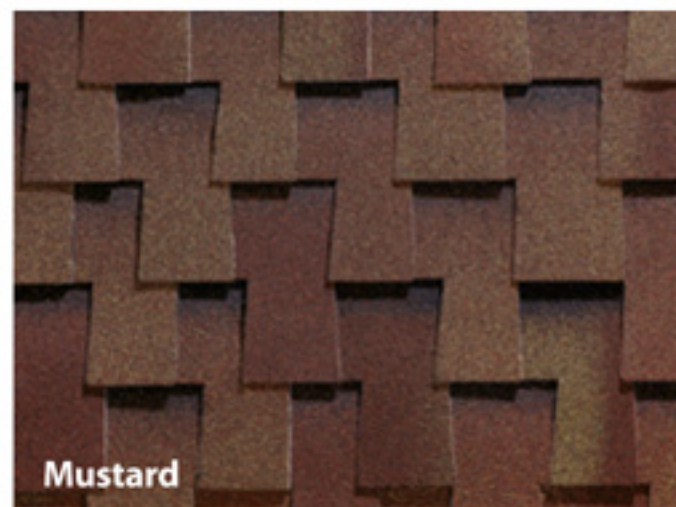
BTM SHINGLE easily adapts to all sloping surfaces. In general, Shingle roof covering is used on roofs with more than 20% pitch. In cases where the slope is between 20% and 30%, 3mm-thick polyester felt membrane is applied on the decking. Shingle sheets are adhered on them with torch. In case the slope is more than 30%, under-Shingle cover is laid over the surface and application is carried out with special Shingle nails.

- It is waterproof.
- It is very practical and fast to apply.
- It is lightweight and does not impose any load on your roof.
- It is extremely resistant to wind.
- It has colours which match every building.
- It is decorative and its contoured lines are pleasant to the eye.
- It may be applied to any buildings, old or new.
- It maintains its decorative character for many years.
- It is long-lasting.

Self-Adhesive BTM Shingle Dragon:

BTM Shingle Dragon provides convenience in application thanks to its self-adhesive bottom surface. It confidently protects your roof for many years thanks to its strong adherence to the surface to which it is applied. BTM Shingle Dragon now adorns your roofs with its new colours.

Color Scale





BTM, which has the most model and colour options in the roofing material shingle in Turkey, has introduced the Dragon Flex model which it has produced of SBS-reinforced bitumen into its shingle product range. Named after its form like dragon teeth, the shingle product is of a self-adhesive nature. Creating a three dimensional effect on the roof it covers due to its shaded effect and thus giving the roof some depth, BTM Shingle Dragon Flex is a product which has a superior flexibility in regions with cold climate and in places located at higher altitudes thanks to the elastomeric bitumen it contains.

As Dragon Flex is SBS-reinforced, it differs from the classical shingle product. While its high flexibility and infrangibility ratio increases at a lower temperature, Dragon Flex adapts itself better to curvilinear surfaces and to any details which require bent installation. As its bottom surface is self-adhesive, it is easily applied. Dragon Flex, which you may confidently choose thanks to its light weight which does not impose any load on the building, is of the Broof fire class as well.

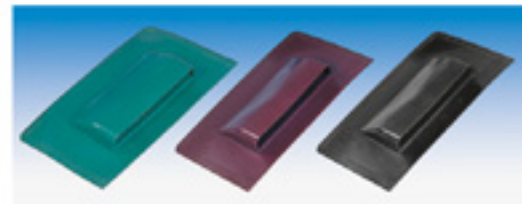
Advantages:

- It is flexible. • It easily adapts itself to curvilinear surfaces and difficult details.
- It displays a superior performance in regions of cold climate and in places located at higher altitudes.
- It is water-impermeable. • It is extremely easy to apply.
- It provides extra convenience and strength as it is self-adhesive.
- It offers an appearance far different from the usual roof appearances with its variable geometry.
- It provides buildings with roof surfaces with its three dimensional effect.
- It does not impose any load on roofs thanks to its light weight.
- It is extremely strong against wind thanks to its full-adherence property.
- It is long lasting. • It is resistant to UV rays.

BTM SHINGLE SUPPLEMENTARY MATERIALS AND ACCESSORIES



Large-Headed Galvanised Nail
BTM Shingle Nail is launched in 2kg boxes. An approximate roof area of 24 m² may be covered with BTM Shingle Nails. Large headed nails are galvanised.



Shingle Ventilation Shafts
Moist air reduces the life of our roof.

In order to prevent moist air from remaining under the roof, good ventilation must be provided on all roofs. Attention must be paid that air ingress shall be via gutters and air egress via the roof surface or ridges.



BTM Poliroof SA MB Roof Ridge Tape

Poliroof SA MB offers rich detail solutions for shingle covered roofs. Offering permanent, practical and economical

solutions in such details as roof ridge, gable wall, hip wall, chimney flashing, eaves plate covering. Poliroof SA MB is coated with colour shingle stone and has a polyester felt reinforced and self adhesive bitumen layer.



SC 2000 shingle underlayment



An alternative covering material for sloping roofs, asphalt shingle has embodied such superior properties as functionality, aesthetic, light weight, long life, infrangibility, etc. Shingle-covered roofs provide water tightness for many years. In cases where the roof has a lower slope or where the roof to be covered is located in snowy and cold climate, a long lasting, non-drooping, membrane suitable for sloping roofs and mechanical fastening, which does not slip when treading thereon must be laid over the flagstones prior to shingle application. This product is "BTM Shingle Underlayment".

A polymer modified bituminous waterproofing membrane, SC2000 Shingle Underlayment is used for waterproofing purposes under the sloping roof covering materials (shingle,etc.). Coated with fine sand on one side and polyethylene film on the other or both sides with PE film, SC2000 Shingle Underlayment is launched in 1 meter wide and 15 meters long fibreglass-reinforced rolls with a weight of 27 kg/roll on average. BTM Shingle Underlayment must be protected against direct sunlight and vertically stored in enclosed spaces.



Corrubit is a corrugated bituminous sheet produced to apply on sloping roofs of steel, reinforced concrete and wood construction. Corrubit sheets may be preferably used on vertical surfaces and façades as well.

Product specifications

It is a bituminous corrugated roof sheet 0,93m wide and 2,00m long which may be easily applied on the recently-constructed sloping roofs or over the existing roof covering for renewal purposes, which is made from organic fibres, which does not contain asbestos and environmentally harmful substances, which has a high resistance and mechanical strength and which does not corrode. Corrubit is produced not to take water in its composition. It is produced in black, red and green. Corrubit is not affected by thermal differences and resistant to frost and snow.

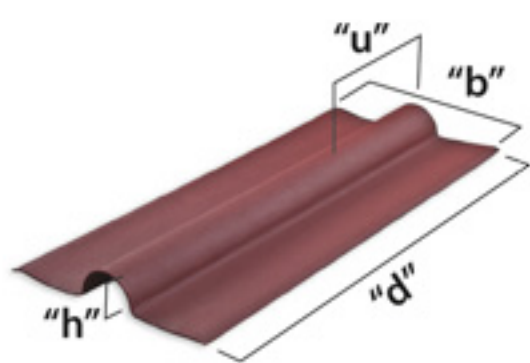
Corrubit sheets are applied on purlins at sloping roofs with steel and wooden construction; and directly on the panels or covering or on purlins at sloping reinforced concrete or light concrete roof panels. Application details may be solved in different alternative, i.e. with or without thermal insulation. The direction of laying the sheets on the roof must be opposite to the prevailing wind direction. On condition that the purlin distances are reduced, the minimum slope on which Corrubit sheets may be applied is 10% but the recommended roof slope is 30 percent.

During the storage at the work site before application, the sheets must not be removed from their protective wrappings nor stored in wet conditions. They must not be unwrapped until the application to be made.



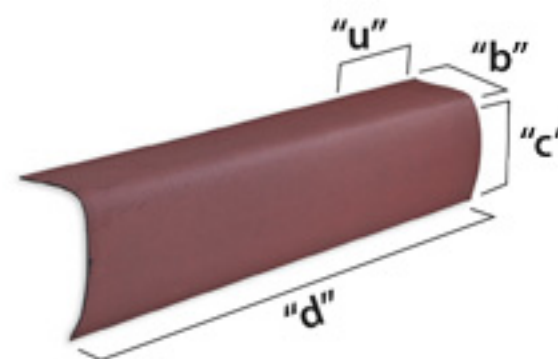
Advantages

- It is firm, lightweight and does not impose any load on the building in terms of seismic safety.
- It may be easily processed and is so practical and economical in new buildings and on those roofs which require renewing.
- It is waterproof, does not accommodate humidity nor mould.
- It is recyclable and environmentally friendly.
- It is resistant to UV and chemicals in the atmosphere and strong against frost and icing.
- It is flexible and may be used on curvilinear surfaces.
- It is reliably used on such different roof constructions as wood, steel, reinforced concrete, etc.



Roof Ridge Accessories

Sheet length "d" distance	mm	1000 - 2000
"b" distance "u"	mm	450 ±10
Overlapping distance "u"	mm	140
Peak Point "h"	mm	50



Roof Ridge Accessories

Sheet "b" distance	mm	130
Sheet "c" distance	mm	200
Length "d" distance	mm	1000 - 2000
Overlapping distance	mm	100



Corrunail

8 cm long plastic capped galvanized nails to safely secure Corrubit corrugated roofing sheets in place.

- Galvanised
- Plastic capped
- 8 cm long
- 100 pcs in a box



self-adhesive waterproofing tapes



self-adhesive waterproofing tapes



Being water-tight and steam-tight, BTM Bitüself and BTM Bitüself Star maintain their adherence and water tightness in wet spaces as well. Due to their flexibility, they are easily used on any surface form (flat or curvilinear) and easily adapt to the form of the surface to which it is applied. As it is aluminium-plated on the outer side, it is not affected by harmful ultraviolet rays of the sun. As it is self-adhesive, it may also be applied to such materials as wood and plastic which are not resistant to high temperature. As it is made from SBS (synthetic rubber)-based bitumen, it maintains its flexibility in every climatic region; and it does not crack nor disintegrate.



Prevention of noise and vibration in cars

BTM Bitüself waterproofing tape is a product which has so wide an area of use. It may be used as a supplement on the roofs of buildings, around the skylights, chimney flashing, in such places as rain gutters and downspouts. It is also used in such wet spaces as bathrooms and restrooms. Further, it is a product in great demand in the sealing of hatch covers on cargo ships, in the repair of construction containers and even in the prevention of noise and vibration in cars.

Land vehicles



- Buffer repairs
- Protection of the inner side of a mudguard
- Footboard repairs
- Protection and repair of the inner sides of doors
- Window edge repairs
- Vehicle body repairs
- Noise and vibration prevention

Sea vessels



- Ventilation windows
- Fibre and polyester components
- Glass borders
- Parapets and metallic components
- Containers
- Sealing of cargo ship hatch covers

Exteriors of buildings



- Roof and chimney edges
- Skylights and ventilation shafts
- Rain gutters
- Pergola splices
- Rain draining systems
- Protection of underground pipes

Wet spaces



- Floor insulation
- Bathtub repairs
- Washbasin outlet pipes
- Sanitary installation pipes
- Ventilation ducts



BTM Bitüself and BTM Bitüself STAR are extremely easy to apply. Make the area to which you want to apply the tape clean and dry. Sufficiently peel off the tape under the Bitüself roll. Smoothly stick the adhesive section to the area where it shall be used. Use a roller over it or flush and press it.



Şato Ayasaranda Hotel Çeşme - İzmir



Küçükçekmece Town Hall - İstanbul

BTM Optigreen for a greener and more environmentally friendly world...

Greening of roofs, i.e. formation of garden roofs provides us human beings with a great many advantages in a direct and indirect way: a better and lovelier environment, spaces worth living in and protection and enhancement of the value of our buildings as well. In this way, we may return to the nature part of what we have taken from it. Independent of the type and mode of use of greening, each square metre of garden roofs keeps a piece of "future" for us.

BTM Optigreen, as a system and brand, represents the concepts of quality, performance and service. Using natural and environmentally friendly materials, we also contribute to the protection of natural resources. Considering to use the local soil characteristics, we support a roof greening as close to natural environment as possible.

What is a green roof?

It is the creation of an environment of natural roof gardens comprised of green plants and flowers through a correct insulation operation instead of such products as pebbles, marble, ceramic, etc. which are the classical covering of terrace roofs. In simpler words, it is a roof planted on optional basis. This area may be the top of a car park or the upper terrace of a place which contain living spaces.

Advantages:

- A long insulation life • Acoustic insulation • Dust absorption • A superior water storage and draining performance • Protection of buildings in heavy rainfall • Creation of a natural habitat for all living creatures • Reduction of micro climate heat island effect.

BTM Optigreen System Components



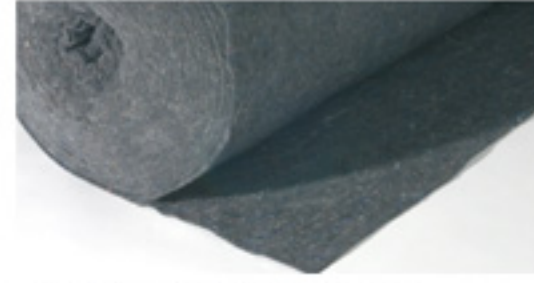
BTM Optigreen System Filter - Type 105

It prevents small particles in the soil layer on top of it from passing through, thus hindering the formation of mud and sediment in the draining system. Thus, it ensures a high water permeability.



BTM Optigreen Draining Component Type FKD 25 (25mm)

- It ensures rapid removal of excess water.
- It prevents water from accumulating on flat roofs and at long draining distances.
- It offers a high draining capacity with little weight.



BTM Optigreen Protective and Keeping Membrane - Type RMS 300/500

It protects BTM Botanic waterproofing membrane resistant to plant roots and keeps water.



BTM Botanic Bituminous Waterproofing Membrane Resistant to Plant Roots

Polyester felt-reinforced, PE (polyethylene) film coated, flexible waterproofing membrane which is resistant to plant roots and which is produced of bitumen modified by SBS (styrene-butadiene-styrene).

plant root-resistant polymer bituminous waterproofing membrane



Mesa Terrace Houses - İstanbul



Renaissance Business Centre - İstanbul

Choosing materials by details is very important in bituminous waterproofing materials. For instance, you may not use a material with a lower strength on speedway bridges. Otherwise, insulation material is easily torn apart by the impacts of acceleration and deceleration of tens of tons of vehicles and loses all its functionality. Or you may not use mineral-free membranes if the insulation material shall not be covered. Otherwise, ultraviolet rays of the sun will reduce the life of the membrane.

BTM Botanic is a product designed to be suitable for the details of garden terraces and roofs. In our cities that have turned into heaps of concrete, a great number of terraces are now designed as or afterwards converted into roof gardens in order to both providing green fields and be able to preserve the natural stability. The most critical point in the waterproofing of garden roofs is the possibility of the insulation membrane to be damaged by plant roots. BTM Botanic completely eliminates this possibility and does not allow plant roots to come closer to the insulation layer thanks to its special formulation.

BITUMINOUS WATERPROOFING MEMBRANE FOR GREEN ROOFS

Membranes	Roll Size	Roll/Pallet
BOTANİK PP 3000*	1x10 m	30 rolls
BOTANİK PP 4000*	1x10 m	23 rolls
BOTANİK PE 3*	1x10 m	30 rolls
BOTANİK PE 4**	1x10 m	23 rolls

** Tested and certified in compliance with TS EN ISO 13948 (Waterproofing- Flexible sheets-Bituminous, plastic and rubber sheets used for waterproofing on roofs-Determination of resistance to the penetration of plant roots) standard.

* Plant roots impermeability test has been applied in compliance with DIN 4062 standard.



Fields of use not being limited to garden roofs only, Botanic is used in outer tanking foundation waterproofing and waterproofing of foundation curtain walls; briefly, in all insulation details which may be in contact with soil.

btm[®] SEAL ELASTO DRYROOF

Elastomeric Resin Based Waterproofing Material



BTMSEAL ELASTO DRYROOF is a specially formulated, elastomeric based waterproofing material applied various surfaces. Thanks to its special formulation, it provides excellent weatherproofing and waterproofing properties for many surfaces. Its white color provides protection against the UV rays of the sun. It is resistant to chalking, contamination, fungus, moss, mold and yellowing, and bridges the capillary cracks. Even at very low or high temperatures, its elasticity remains the same.

btm[®] SEAL ALFA HIBRIT^{TRANSPARENT}

One Component Alpha Hybrid Polymer Based Transparent Waterproofing Material



BTMSEAL ALFAHYBRID TRANSPARENT is a hybrid polymer based transparent waterproofing material, which can be applied at temperatures of -5°C and above. It can be applied to wet surfaces and does not require a primer. It has a 2 mm crack bridging capability and has %100 solid content. It is solvent-free, cyanate-free, fast curing and easy to apply. After application it creates a seamless, UV durable structure with a crack-bridging feature. Thanks to its elastomeric property, its performance remains the same even at low temperatures.

btm[®] SEAL ALFA HIBRIT

One Component Alpha Hybrid Polymer Based Waterproofing Material



BTMSEAL ALFAHYBRID is a hybrid polymer based waterproofing material, which can be applied at temperatures of -5°C and above. It can be applied to wet surfaces and does not require a primer. It has a 2 mm crack bridging capability and has %100 solid content. It is solvent-free, cyanate-free, fast curing and easy to apply. After application it creates a seamless, UV durable structure with a crack-bridging feature. Thanks to its elastomeric property, its performance remains the same even at low temperatures.

btm[®] SEAL PU 1000

One Component, Elastomeric, Polyurethane Based Waterproofing Material



BTMSEAL PU 1000 is, elastomeric, polyurethane based, flexible waterproofing coating material for vertical and horizontal surfaces. After application, seamless, durable and creates a structure capable of bridging cracks. Elastomeric property by reason of the performance remains the same even at low temperatures.

btm[®] SEAL PU 1260

One Component, U.V. resistant, Elastomeric, Polyurethane Based Waterproofing Material



BTMSEAL PU 1260 is U.V.resistant, elastomeric, polyurethane based, flexible waterproofing coating material for vertical and horizontal surfaces. After application, seamless, durable and creates a structure capable of bridging cracks. Elastomeric property by reason of the performance remains the same even at low temperatures.

btm[®] SEAL AA 0106

Epoxy Based Solventless Transparent Impregnation Primer



BTMSEAL AA 0106 is solvent free, low viscosity, two component, transparent impregnation primer based on epoxy base (resin) and reactor (hardener). It is used specially as a primer to bind BTMSEAL products such as polyurethane and polyurea based rigidly to the substrate. Pack A & Pack B are pre measured quantity of resin and hardener and need only mixing at site.

btm[®] SEAL BT2K PU ELAST

Bitumen Polyurethane Based Two Component Waterproofing Material



BTMSEAL BT2K PU ELAST is Bitumen Polyurethane based, two component, rapidly curing, permanent and highly flexible that is produced for cold applied waterproofing material. Components A and B are prepared in adequate quantities and used by mixing together in the area of application.

btm[®] SEAL INJECT 1K PU

One component Hydrophobic Polyurethane Injection Material



BTMSEAL INJECT 1K PU is one component, polyurethane based, semi flexible, hydrophobic foam injection material developed to block the water leaking from fractures and pores of concrete elements. It efficiently blocks water leakages, deeply and rapidly penetrating into the gaps on construction elements; since it has low viscosity.

btm[®] SEAL PUREA H - PUREA P

Two Component, Hot Curing, Hybrid Polyurea Based Waterproofing Material



BTMSEAL PUrea H/P is a two component, solvent free, hot applied, high mechanical and chemical resistance performance, very fast curing, pure polyurea based waterproofing coating. It creates a seamless, robust and crack-bridging structure with high abrasion and compression resistance after application.



LIQUID WATERPROOFING PRODUCTS

Our liquid products have been designed to allow them to be used as supplementary or ancillary in the application of the dampproofing/waterproofing products or alone for such purposes.

btm BT2K 750

bitümento

Dual component, flexible, water based, fibre reinforced rubber-polymer modified bitumen waterproofing material.



BTM Bitümento BT2K 750 waterproofing has been designed for protection of structures against water with carefully chosen rubber-polymer modified bitumen, dual component, cold applied, fibre reinforced and flexible waterproofing material.

btm BT2K 600

bitümento

Two-component, flexible, water-based, fibre-enhanced and polymer bituminous waterproofing material



BTM Bitümento BT2K 600 is easily applicable in such mineral surfaces as concrete, stone, brick, briquette, plaster, grout, foundations and basements, curtain walls, underground surfaces which contact with water for waterproofing purposes. It is further used under the flooring in such wet spaces as bathrooms, kitchens, showers and toilets, balconies and terraces (e.g. ceramic tiles), in the adhesion of thermal insulation sheets and in the repairs of bituminous waterproofing.

btm BT2K 600+

bitümento

Polymer Modified, Bitumen Rubber-Based, Flexible, Water-Based Fiber Reinforced Two-Component, Waterproofing Material



BTM Bitümento BT2K 600 is easily applicable in such mineral surfaces as concrete, stone, brick, briquette, plaster, grout, foundations and basements, curtain walls, underground surfaces which contact with water for waterproofing purposes. It is further used under the flooring in such wet spaces as bathrooms, kitchens, showers and toilets, balconies and terraces (e.g. ceramic tiles), in the adhesion of thermal insulation sheets and in the repairs of bituminous waterproofing.

Applied By Airless Spray!

btm BT2K 500

bitümento

Polymer modified bituminous, two-component, brush-applicable, fibre-added, flexible, waterproofing material not containing solvent



BTM Bitümento BT2K 500 is easily applicable in such mineral surfaces as concrete, stone, brick, briquette, plaster, grout, foundations and basements, curtain walls, underground surfaces which contact with water for waterproofing purposes, in foundations and basements, curtain walls, in such wet spaces as bathrooms, kitchens, showers and toilets, under the flooring (for instance, ceramic) in balconies and terraces.

btm BDB 15

joint tape



BTM BDB 15 is a special bitumen based, flexible and highly strong self-adhesive tape with an enhanced adherence which is laminated with polymer foil reinforcement, which is used in providing waterproofing at the seams (overlap) of bitumen-based liquid two component waterproofing materials (BT2K600, BT2K500, etc.) and polymer bituminous waterproofing membranes (Elastobit, Plastobit, Polibit and Levobit, etc.) in foundation curtain walls, at the roof ridges on roofs, in insulating and repairing wood, metal, glass, concrete, brick, roof tile, asphalt-based materials.

btm BDB 45

dilatation tape



BTM BDB 45 is a self-adhesive, flexible and highly strong dilatation tape confidently used in dilatations on roofs, foundation base and foundation curtain walls. While the flexible and highly strong polymer foil reinforcement on its top surface provides BDB 45 with unique mechanical properties, its self-adhesive specially formulated bituminous bottom surface ensures a firm adhesion on any kinds of surfaces and easy application.



btm BTR 200

bitümer

It is a single-component, water-based waterproofing material not containing solvent. It is used as an undercoating material and binder in bituminous coverings and applications with fibreglass and canvas in foundation-basement curtain walls, terraces, roofs, kitchens and bathrooms. It is used in the protection of metallic surfaces, as a sealant and an adherence enhancing additive in cement-sand based mortars and plasters, in the protection of building forms and as form releasing agent. It may be applied with a brush or a roller.



btm BTR 100

primer

BTR 100 is a cold-applied bitumen emulsion used as a primer in waterproofing. Besides being used as a primer in waterproofing applications, it is also used as a moisture retainer in foundations walls. It is applied with a brush.



btm BTL 200

bitülast

Bitülast is used for water- and moisture-proofing on wet spaces such as kitchens and bathrooms or on horizontal surfaces as small terraces and vertical ones such as foundation curtain walls. It provides a good covering on such materials as concrete, plaster, etc. Due to the rubber additives it contains, it is more flexible, covering and long-lasting compared to other conventional undercoating materials. It is an environment-friendly product as it is water-based. As it does not contain petroleum-derivative thinners, it may be safely be used in enclosed spaces. As it is cold-applied, it does not require any heating equipment. As it does not have seams, it displays continuity. It fully adheres to those surfaces to which it is applied.



btm BTR 50

primer

is a water-based bitumen emulsion used as primer in waterproofing. The application surface should be free of dust, dirt, rust and oil, and loose parts scraped.



btm BTS 100

bitüsöl

It is a bitumen solution-based, cold-applied, single-component insulation material. It is used in preventing moisture in foundation and basement floors and walls and side facades of buildings as well as in foundation and roof insulation. It forms a waterproof layer in the fibreglass, mesh, bituminous cardboard applications as a primer before bituminous coverings. It may be used in drinking/potable water reservoirs and on metallic surfaces under or on the ground. It may be applied with a brush or roller.



btm ELM 300

elastomast*

It is used in filling processes of any types of joints in such engineering buildings as highways, bridges and the like. Hot-applied, this product is applied to joints after being melted between 180-220°C in a proper melting pot (e.g. it is preferred to melt in a pot filled with heat transfer oil all around or at the bottom).



btm ELS 100

elastosol*

It is a protective polymeric bitumen solution which displays an flexible character. It has a high adherence, covering properties and water resistance. It is recommended to be used together with the reflective Alusol in dome, vault and northern wall applications. It is resistant to air pollution and atmospheric conditions. It may be applied with a brush, roller and atomiser.



btm ALS 100

alüsöl

Containing Reflective Aluminum, Single-Component, Bitumen Based Waterproofing Material. It should be applied cold. It is highly recommended to mix it when the box is opened, before and during use. It should be made sure that the surface is dry and clean, and it is applied in single coat using brush, roller or spray equipment.



btm ELT 400

elastopast*

Cold-applied elastomeric bituminous adhesive Elastopast is an flexible product which is used in adhering shingles or filling horizontal / vertical joints and which displays strong adhering properties.

Alusol is used as a supplement in waterproofing thanks to its reflective and UV protection properties, **Bitümer and Bitüsöl** are used as a primers ancillary to waterproofing with membranes, **Elastomast and Elastopast** are used in filling the joints, as well as asphalt shingle and bitumen membrane adhesive, **Elastosol and Bitülast** are used in the insulation of small balconies/terraces, such wet spaces as kitchens and bathrooms and foundation curtain walls against humidity.

USAGE AREAS OF NEW GENERATION WATERPROOFING PRODUCTS

		Packing	UV resistance	Contains solvent	Founda-tion	Curtain Walls	Flat Roof	Pitched Roof	Roof with high traffic	Terrace, Balcony	Kitchen, Bathroom	Basement	Tunnel	Viyaduct	Bridge	Road construction	Potable drinking water tanks	Utility water tanks	Pond	Canal	Drainage basin
Hybrid polymer based	Alfahibrit	Hybrid polymer based	✓				✓	✓	✓	✓	✓							✓			
	Alfahibrit Transparent		✓				✓	✓	✓	✓	✓							✓			
Water based	Elasto Dryroof	Elastomeric resin and acrylic based	✓				✓	✓	✓	✓	✓							✓			
	Purea H	Hot curing hybrid polyurea			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Polyurea based	Purea P	Hot curing pure polyurea			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Inject 1K PU	Polyurethane injection			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Polyurethane based	Inject 2K PU	Bitumen polyurethane based					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	BT2K PU Elast			✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	PU 1000	Elastomeric polyurethane based					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	PU 1260		✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	PU 3500		✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Epoxy based	1K PU Primer*	Transparent polyurethane primer					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	AA 0106*	Unfilled epoxy primer			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

* For the consumption amounts, please see our web page

USAGE AREAS OF LIQUID WATERPROOFING PRODUCTS

		Packing	UV resistance	Contains solvent	AREAS OF USE																			
					Founda-tion	Curtain Walls	Flat Roof	Pitched Roof	Roof with high traffic	Terrace, Balcony	Kitchen, Bathroom	Basement	Tunnel	Viyaduct	Bridge	Road construction	Potable drinking water tanks	Utility water tanks	Pond	Canal	Drainage basin			
Water based	BT2K 500 Bitumento	Bitumen rubber based				✓			✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	BT2K 600 Bitumento					✓			✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	BT2K 600 Plus Bitumento					✓			✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	BT2K 750 Bitumento					✓			✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Water based	BTR 50 Primer**	Bitumen emulsion			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	BTR 100 Primer**					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Solvent based	BTR 200 Bitumer	Bitumen rubber based			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	BTL 200 Bitulast					✓			✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	ALS 100 Alusol		Aluminum reflective paint			✓			✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	BTS 100 Bitusol		Bitumen solution			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	ELS 100 Elastosol		Rubber added bitumen solution			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bitumen mastic based	ELT 400 Elastopast	Joint filler			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	ELM 300 Elastomast	Hot applied joint filler			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

** It is used as primer and for waterproofing against humidity. In terraces, it can be used only as primer



By laying such materials as gravel, tile or concrete on the Polpan thermal insulation sheets laid on top of waterproofing membranes, the wind should be prevented from removing the thermal insulation sheets or the water from floating the thermal insulation sheets. Weight of gravel, tile or concrete must be taken into consideration in the static calculations of the roof. Sheets should be laid in a checker manner and not to allow any clearances between the joints.

- Costs of heating and cooling are substantially reduced by thermal insulation.
- Cold spots in the building and on the walls are prevented, thus obtaining a homogeneous temperature and comfort.
- Heat variances occurring on the outer shell may cause tensions and ruptures equal to tons of load. The outer shell and constructional components of those thermally-insulated buildings are protected against such great tensions and the destructive effect of moisture.
- Concentration is prevented in the constructional components.
- Economy is made in energy and operating costs in heating and cooling. Accordingly, contribution is made to the reduction of air pollution.
- Costs of initial investment reduce as heating and cooling devices and fittings of smaller capacity shall be used in accordance with the loss and gain of heat in a heat-insulated building.
- Limited energy sources are ensured to be used in a more productive manner and more energy sources are left to future generations as less energy shall be consumed in heating and cooling in a thermally-insulated building.

POLPAN (TS EN 13164) PRODUCT SPECIFICATIONS

SPECIFICATIONS		METHOD	UNIT	POLPAN 150		POLPAN 200		POLPAN 300	
Place of Use		-	-	Roof-Floor Type	Wall Type	Roof-Floor Type	Wall Type	Roof-Floor Type	Wall Type
Surface Form		-	-	Even	Uneven, Uneven grooved	Even	Uneven, Uneven grooved	Even	Uneven, Uneven grooved
Heat Conductivity (at 10 °C) $\lambda_{90/90}$		Ek-C EN12667	W/m ² K	Max. 0,035 W/mK					
Compression Strength		EN 826	kPA	≥ 150 kPA CS(10/Y)100		≥ 200 kPA CS(10/Y)200		≥ 300 kPA CS(10/Y)300	
Long Term Water Absorption through Full Submersion		EN 12087	%	WL(T)0,7	WL(T)1,5	WL(T)0,7	WL(T)1,5	WL(T)0,7	WL(T)1,5
Deformation Class under Certain Compressive Load & Temperature Conditions		EN 1604	%	DLT(1)5 and DLT(2)5					
Fire Resistance		EN 13501-1	-	E					
Freeze-Thaw Resistance		EN 12091	%	FT2					
Dimensions	Width	EN 822	mm	600 ± 8 mm					
	Length		mm	1200 ± 10 mm					

* Data provided above are of general specifications. Please ask help from our company form detailed information.



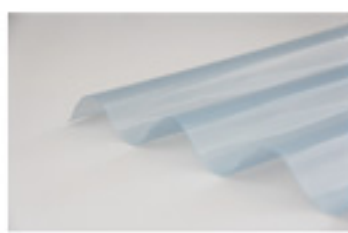
Corru Polyester

Corru Polyester sheet with enhanced UV protection is a durable corrugated sheet for use in farm buildings' roofing and cladding. **Features:** • Matches Corru Series corrugation profile • Lengths: 2 m or 2,5 m • UV protected • 10 year life expectancy **Uses:** • Stables • Farm shops • Animal sheds • Barns • Storage sheds • Equestrian buildings



Corru Polyester Grande

Corru Polyester sheet Grande with bigger wave form enhanced UV protection is a durable corrugated sheet for use in farm buildings' roofing and cladding. **Features:** • 2 m length with bigger wave form • UV protected • 10 year life expectancy **Uses:** • Stables • Farm shops • Animal sheds • Barns • Storage sheds



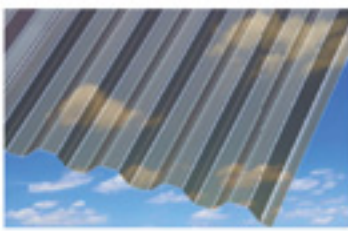
Corru PVC

Corru PVC corrugated sheeting is an all purpose PVC sheet for roofing and cladding. Easy to install, lightweight and economic Corru PVC is a suitable corrugated rooflight sheeting for canopies, gazebos and car ports. Installations is easy, it may be cut, drill and installed with standard do-it-yourself tools. Clear and bronze colour options are available. **Features:** • Matches other Corru Series of sheeting corrugations • Accessories to match profiles • UV resistant for durability • Durable • 10 year life expectancy **Uses:** • Canopies • Car ports • Plant houses • Porches • Rooflights • Garden sheds • Cloches and cold frames • Side cladding • Lean to extensions • Covered walkways



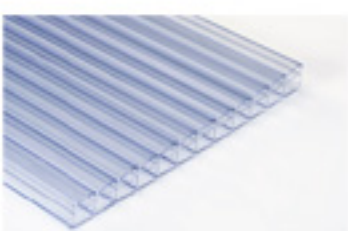
Corru Polycarbonate

When high performance material with maximum light transmission is required Corru Polycarbonate is the correct choice. **Features:** • 2 m • UV protected • 10 year life expectancy **Uses:** • Greenhouses • Carports • Canopies • Gazebos • Pergolas



Corru PVC Trapeze

Corru PVC Trapeze sheeting is an all purpose PVC sheet for roofing and cladding. Easy to install, lightweight and economic Corru PVC Trapeze is a suitable trapezoidal rooflight sheeting for canopies, gazebos and car ports. Installations is easy, it may be cut, drilled and installed with standard do-it-yourself tools. **Features:** • Colour: clear (transparent), bronze. • UV resistant for durability • Durable • 10 year life expectancy **Uses:** • Canopies • Car ports • Plant houses • Porches • Rooflights • Garden sheds • Cloches and cold frames • Side cladding • Lean to extensions • Covered walkways



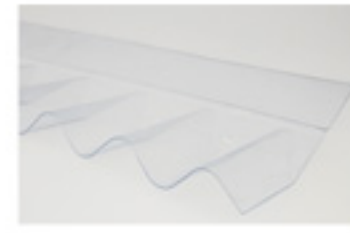
Multiwall Polycarbonate Sheet

Polycarbonate Hollow sheets offer the higher level of glazing performance where transparency along with high impact strength is of vital importance. **Features & Uses:** • Sunshades for stadiums and bus shelters • Lighting for corridors, passages and subway entries • Bank ATMs • Sound and heat insulation for constructions such as: houses • Canopies for agricultures greenhouses, zoos • PC sheets mainly used for building and decorating materials, greenhouse materials, and the block of insulation materials • Wall and roof of greenhouse, department stores, exhibition centers, telephone booth, insulation shield in express ways & highways • Office buildings, hotels, villas, stadiums, schools, bus stop, terminals, hospitals, subway entry and exit doors



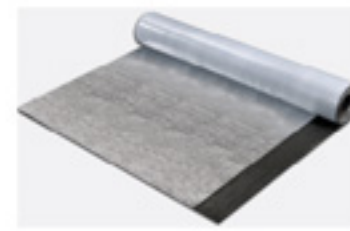
Polycarbonate H and C Profiles

Rainbow's connecting Polycarbonate profiles could connect sheets for covering of large areas on structural building. **Features:** • It won't effect light through the sheet connections • Excellent sealing properties in roofs and walls • Light, flexible, most economic and easy to install to save a lot of labor cost **Uses:** • The profiles can be bent at the minimal radius permitted by the sheets.



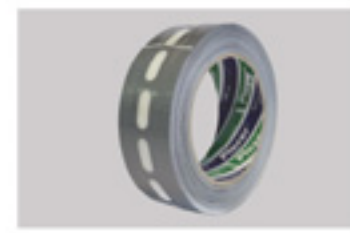
Corru PVC Flashing

A pre-formed PVC flashing that perfectly fits over the Corru PVC corrugated sheet and is flashed easily over to create a waterproof seal. **Features:** • Pre-formed to match the exact sheet profile • Ultra clear PVC • Light in weight • Easy to install • Simple to flash over **Uses:** • Canopies • Car ports • Plant houses • Porches • Rooflights • Garden sheds • Cloches and cold frames • Side cladding • Lean to extensions • Covered walkways



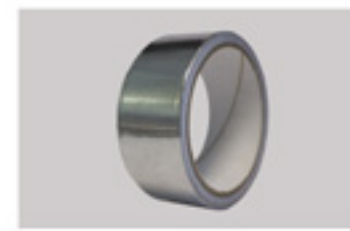
BTM Alu

It is a polyester reinforced 1,5mm thick, self-adhesive, cold-applied waterproofing membrane made of bitumen modified by SBS (styrene-butadiene-styrene), with release film underside and AL foil on the upper surface. **Features:** • Easy application. • Self adhesive. • Excellent UV resistance • Provides cool roof **Uses:** • Pitched roofs • Sheds • Canopies



Breather Tape

Free air movement is allowed inside the multiwall sheet with Polywall Breathe tape. Prevents damage due to thermal expansion while minimizing condensation and preventing dust or insects ingress. **Features:** • 10m rolls • 38mm width • Easy to use • Free air movement is allowed inside the multiwall sheet. • Minimizes condensation • Ingression of dust and insects prevented **Uses:** • Gazebos • Pergolas • Verandas • Greenhouses • Carports • Canopies • Porches • Replacement Roofing



Aluminium Tape

Aluminium tape to seal the top edge of Polywall Multiwall Sheet. Stops ingress of moisture, insects, dust and algae. **Features:** • Strong • Stops ingress of moisture, insects, dust and algae • 10m rolls • 38mm width • Easy to use **Uses:** • Gazebos • Pergolas • Verandas • Greenhouses • Porches • Carports • Canopies



Corru Cap Trapeze

Corru Cap Trapeze waterproof cap with spacers are used when installing Corru PVC Trapeze roofing sheets on timber structures to help prevent over tightening of the fixings. **Features:** • Clear waterproof cap with spacer to be used for fixing Corru PVC Trapeze Sheets • Packs of 50 **Uses:** • Canopies • Car ports • Plant houses • Porches • Rooflights • Garden sheds • Cloches and cold frames • Side cladding • Lean to extensions • Covered walkways



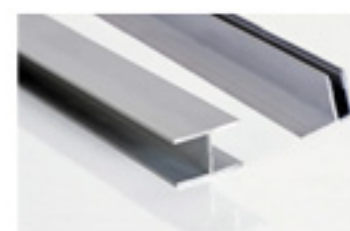
Corru Cap & Fixing Cap

Corru Cap waterproof cap with spacers are used when installing Corru PVC roofing sheets on timber structures to help prevent over-tightening of the fixings. **Features:** • Clear waterproof cap with spacer • Packs of 50 **Uses:** • Canopies • Car ports • Plant houses • Porches • Rooflights • Garden sheds • Cloches and cold frames • Side cladding • Lean to extensions • Covered walkways



Corru Filler

Corru Filler PVC Eaves Fillers are used during the installation of Corru PVC sheets and they prevent roof clatter and support the sheets when fixed. **Features:** • Easy to install • Matches the profile of the sheet corrugation • Lightweight • Waterproof • Supplied in packs of 4 **Uses:** • Canopies • Car ports • Plant houses • Porches • Rooflights • Garden sheds • Cloches and cold frames • Side cladding • Lean to extensions • Covered walkways



Aluminium H, C and F Profiles

Rainbow's connecting aluminium profiles could connect sheets for covering of large areas on structural building. **Features:** • Excellent sealing properties in roofs and walls • Light, durable and easy to install to save a lot of labor cost **Uses:** The profiles can be bent with a help of a tool at the minimal radius permitted by the sheets.



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