

WATERPROOFING PRODUCTS AND SYSTEMS 2-2015



A wide range of waterproofing
and waterproofing and insulation
products for building industry



www.iivela.it

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THE COMPANY

EXPERIENCE > COMPETENCE > KNOW HOW > TECHNOLOGY > RESEARCH



IIVELA was founded in the late thirties and represents, in many aspects of its history, an emblematic model of a wave of entrepreneurial activity across the country over that period and during the years which followed.

The industrial experience reflects a constant evolution in the field of research, originally focused on chemical products, now specialising in waterproofing, thermo-insulating and insulating products in the industrial or building sector.

IIVELA provides a wide range of products in order to satisfy building market requirements.

The latest lines of thermal and acoustic insulation materials offer ecological, safe, reliable and easy to use products.

Staff quality, organisation and technical know how is part of a business philosophy **IIVELA** puts at your disposal.

A Company always moving with the times, or rather always staying ahead of the times.



DIVISIONS - Ask for catalogue or price-list of other IVELA divisions



LIQUID WATERPROOFING MEMBRANES AND PROTECTIVE COATINGS

IVELA+ LINE certified high performance products UNII+ continuous fibre-reinforced liquid waterproofing membrane with EC marking certified according to EN14891.

REFLEX+ ultra-reflecting protective paint having a high solar reflectance index (SRI= 105%) certified by EELab (Energy Efficiency Laboratory), making it one of the best materials used to reduce covering temperature.

SIL+ silane/siloxane protective paint having exceptional waterproofing properties ensuring natural surface breathability.

GRIP+ extra strength bonding primer for perfect adhesion of any kind of cement mix to any existing surface.

PROTECTIVE COATINGS AND LIQUID MEMBRANES, BITUMINOUS PRIMERS

ALL THE PRODUCTS BELONGING TO THIS DIVISION CAN BE FOUND IN THE NEW CATALOGUE OR PRICE-LIST RELATING TO LIQUID WATERPROOFING MEMBRANES AND PROTECTIVE COATINGS



THERMAL AND ACOUSTIC INSULATION MATERIALS

THERMAL AND ACOUSTIC INSULATION PRODUCTS- extruded polystyrene foam, sintered expanded polystyrene, expanded polyurethane, glass wool, rock wool, wood fibre, reticulated expanded polyethylene insulation panels, aphonic bituminous mix, rubber granules and new generation multilayer reflective insulation panels.

ALL THE PRODUCTS BELONGING TO THIS DIVISION CAN BE FOUND IN THE NEW CATALOGUE OR PRICE-LIST RELATING TO THERMAL AND ACOUSTIC INSULATION PRODUCTS



BITUMINOUS MEMBRANES AND COUPLED SYSTEMS

PREFABRICATED BITUMINOUS MEMBRANES – traditional, self-adhesive membranes, breathable fabrics, vapour barriers, anti-root membranes. Waterproofing membranes for special applications. Shingles

VELASYSTEM COUPLED PANELS - extruded polystyrene foam, sintered expanded polystyrene and polyurethane insulation panels coupled in rolls or sheets with various types of bituminous membranes.

ALL THE PRODUCTS BELONGING TO THIS DIVISION CAN BE FOUND IN THE NEW CATALOGUE OR PRICE-LIST RELATING TO BITUMINOUS MEMBRANES AND COUPLED SYSTEMS

WATERPROOFING PRODUCTS

- **Protection against water infiltration**

Water is a vital element for the survival of human beings and other species existing on our planet and its relevance has never been questioned, but it should be constantly and carefully controlled, because it has a force which, if left uncontrolled, may have devastating effects. Therefore it is necessary to protect building structures, such as coverings, foundations, retaining walls, creating veritable barriers capable of withstanding the impact of progressive decay water creates in the areas of infiltration.

Waterproofing is one of the basic principles for the construction of buildings making a surface waterproof applying one or more overlapping coats of different materials suitable for the purpose for the protection of different kinds of building elements such as floors, walls, tanks, manholes and swimming pools. There are various kinds of materials to be used which can be chosen depending on various factors, including aesthetic results, thickness, surface, waterproofing durability, techniques used, atmospheric conditions, weight and cost.

- **Materials**

The choice of a good waterproofing system should be made considering various technical, environmental and design factors in order to avoid any risk of infiltration which may cause structural or financial damage.

The most commonly used materials are the following: natural asphalt enriched with natural bitumen up to 15 per cent, natural bitumen or bitumen obtained from oil distillation in solid, semisolid or liquid state emulsified in water or with other components. Fabrics and membranes based on: bitumen, plastic substances obtained either from the polymerization of vinyl chloride (P.V.C.) or from the polymerization of ethylene (polythene), based on rubber (chloroprene rubber or EPDM).

For waterproofing systems based on liquid applied products, it is necessary to use products based on epoxy, polyurethane, acrylic, polyester or polymethyl-methacrylate resins.

Suitable for waterproofing foundations, panels or clay sediments instead of sodium bentonite.

- **Surfaces**

Not all surfaces are suitable for every single type of waterproofing system. Below you will find a list explaining which type of waterproofing system should be used on any existing surface:

Concrete surfaces: all types of waterproofing systems.

Wooden surfaces: bituminous membranes, bituminous emulsions, synthetic fabrics (PVC, Polyolefins, EPDM), epoxy, polyurethane and acrylic resins.

Iron surfaces: bituminous membranes (paying special attention to the type of primer used), synthetic fabrics, epoxy, polyurethane and acrylic resins.

Lightweight blocks: Some of them are highly friable and cannot be directly bonded to the waterproofing layer tending to become non-cohesive, therefore it is necessary to use synthetic fabrics (PVC, Polyolefins, EPDM) or it is necessary to create a compaction load sharing layer, such as a reinforced concrete block of at least 5cm. Then, it is possible to use all kinds of waterproofing systems.

Insulating materials: bituminous membranes, synthetic fabrics (PVC, Polyolefins, EPDM), epoxy, polyurethane and acrylic resins. In particular, it is necessary to pay attention to hot applied bituminous membranes, since many types of insulating materials (EPS, XPS, PU) are thermosensitive and may catch fire. In this case, it is advisable to use preassembled products, such as VELASYSTEM waterproofing and insulation products, a veritable covering system ensuring thermal insulation and simultaneous application of a waterproofing layer.

- **Protection**

Horizontally and vertically laid waterproofing layers should be protected against foot traffic, collisions or atmospheric agents such as direct sunrays which may deteriorate the waterproofing system, making it unusable. Depending on the case, it is possible to use felt fabrics, fine round river gravel, protective coatings such as REFLEX+ ultrareflecting white paint, VELUMIN solvent-based aluminium paint or VELASCREEN plastic material embossed sheets, in particular for retaining walls.

PRODUCT LINES



BITUMINOUS MEMBRANES

The constant commitment in half a century of activity in the field of waterproofing systems has allowed us to provide a wide range of bituminous membranes having the highest quality level available on the market. This line is made up of PREFABRICATED BITUMINOUS MEMBRANES – traditional, self-adhesive membranes, breathable fabrics, vapour barriers, anti-root membranes. Waterproofing membranes for special applications.

Shingles



WATERPROOFING AND INSULATION SYSTEMS

The development of new technologies has allowed us to widen our product range with a line of waterproofing and insulation products, a veritable covering system ensuring thermal insulation and simultaneous application of a waterproofing layer.

Waterproofing and insulation systems available in rolls or sheets assembling VELAREN extruded polystyrene foam, VELAROL sintered expanded polystyrene and VELAPOL polyurethane insulation panels coupled in rolls or sheets with various types of bituminous membranes.



SPECIAL PRODUCTS AND ACCESSORIES

IIVELA offers a diversified range of chemical products, special products and accessories in order to meet the highest requirements of sector operators.

The line includes Velascreen HDPE embossed membranes, bituminous felt paper, ready-to use asphalt available in bags, TNT non woven fabric of different grammage, drain outlets, leaf guards, aerators, damp proof courses.

SYNOPTIC TABLE OF **BITUMINOUS MEMBRANES**

PRODUCT	THICKNESS mm	AREIC MASS Kg/m ²	COLD FLEXIBILITY °C	REINFORCEMENT	COMPOUND	Page
DURATEN / DURATEN ARDESIATA	4	4,5	-20	Polyester	BPE Elastomeric compound	8
DURAFLEX / DURAFLEX ARDESIATA	4	4-4,5	-20	Polyester	BPE Elastomeric compound	8
VELAGUM SPECIAL	4	4,5	-20	Polyester	BPP Elasto-plastomeric compound	9
VELAGUM EXPORT TNT / VELAGUM EXPORT ARDESIATA	4	4,5	-20	Polyester	BPP Elasto-plastomeric compound	9
VELAGUM PLUS / VELAGUM PLUS ARDESIATA	4	4-4,5	-15	Polyester	BPP Elasto-plastomeric compound	9
VELAGUM / VELAGUM ARDESIATA	3-4	4,5	-10	Polyester	BPP Elasto-plastomeric compound	10
RESINOLGUM PLUS / RESINOLGUM PLUS ARDESIATA	3-4	4-4,5	-10	Polyester	BPP Plastomeric compound	11
SIMUN PLUS / SIMUN PLUS ARDESIATA	3-4	4-4,5	-10	Polyester	BPP Plastomeric compound	11
MARIN PLUS / MARIN PLUS ARDESIATA	3-4	4-4,5	-10	Polyester	BPP Plastomeric compound	12
MISTRAL / MISTRAL ARDESIATA	3-4	4,5	-5	Polyester	BPP Plastomeric compound	12
BURIAN	3-4	-	-5	Polyester	BPP Plastomeric compound	13
MARIN	3-4	3-4	-5	Polyester	BPP Plastomeric compound	13
BLIZZARD ARDESIATA	-	3,5-4-4,5	-5	Polyester	BPP Plastomeric compound	14
MULTICOLOR	-	3,5-4-4,5	-5	Polyester	BPP Plastomeric compound	14
GIBLI	-	3-4	-5	Fibreglass	BPP Plastomeric compound	15
RAME (COPPER)	-	4	-25	Glass fabric	BPE Elastomeric compound	15
ALLUMINIO (ALUMINIUM)	-	4	-25	Glass fabric	BPE Elastomeric compound	15
KATAK / KATAK ARDESIATA	2	3,5-4	-15	Polyester	BPE Elastomeric compound	16
KABITENE (IN ROTOLI CON ALTEZZA 5-10-15-20 CM)	2	-	-15	Polyester	BPE Elastomeric compound	16
VELAGUM ANTIRADICE (ANTIROOT)	4	-	-10	Polyester	BPP Plastomeric compound	16
RESINOLGUM VAPOR	-	3	-10	Aluminium sheet and strengthened fibreglass	BPP Plastomeric compound	17
RESINOLGUM ANTIRADON	4	-	-10	Aluminium sheet and strengthened fibreglass	BPP Plastomeric compound	17
SIMUN PLUS R25	4	-	-10	Polyester	BPP Plastomeric compound	18
VELAGUM ANTIFIAMMA (FLAME RETARDANT)	-	4,5	-10	Polyester	BPP Elasto-plastomeric compound	18
DUALTEX BIARMATA	4	-	-10	Polyester and fibreglass	BPP Plastomeric compound	19
TEGOLA CANADESE (SHINGLE)	-	8,0	-	Strengthened fibreglass	Bitumen Polymer compound	20

DURATEN - DURATEN ARDESIATA



Monoreinforced waterproofing membrane made up of a compound of excellent quality based on distilled bitumen modified with high elasticity elastomeric polymers (BPE), reinforced with non woven polyester fabric.

The reinforcement provides good mechanical properties in terms of elongation at break and puncture resistance, while the special elastomeric compound ensures excellent flexibility even at low temperatures and perfect adhesion not only to the surface, but also between layers.

It can be supplied either polished or self-protected with natural slate flakes.

Intended use

DURATEN: Multilayer: finishing layer - underlayer

DURATEN ARDESIATA: Multilayer: finishing layer

Applications

Due to its flexibility, it is suitable for low temperature applications or for waterproofing structures subjected to cyclic movements or dimensional changes such as bridges, tunnels, basins, expansion joints, artificial canals and coverings in general.

TYPE	Thickness / Areic Mass	Price €/m ²	Cold flexibility	Quantity m ² /roll	Rolls / Pallet
DURATEN	mm 4	9,40	-20°C	10	25
DURATEN ARDESIATA	kg/m ² 4,5	8,30		10	25

DURAFLEX - DURAFLEX ARDESIATA



Monoreinforced waterproofing membrane made up of a compound of excellent quality based on distilled bitumen modified with high elasticity elastomeric polymers (BPE), reinforced with non woven polyester fabric.

The reinforcement provides good mechanical properties in terms of elongation at break and puncture resistance, while the special elastomeric compound ensures excellent flexibility even at low temperatures and perfect adhesion not only to the surface, but also between layers.

It can be supplied either polished or self-protected with natural slate flakes.

Intended use

DURAFLEX: Multilayer: finishing layer - underlayer

DURAFLEX ARDESIATA: : Multilayer: finishing layer

Applications

Due to its mechanical and physico-chemical properties, including cold flexibility, it is suitable for low temperature applications or for waterproofing structures subjected to cyclic movements or dimensional changes such as bridges, tunnels, basins, expansion joints, artificial canals and coverings in general.

TYPE	Thickness / Areic Mass	Price €/m ²	Cold flexibility	Quantity m ² /roll	Rolls/ Pallet
DURAFLEX	mm 4	8,70	-20°C	10	25
DURAFLEX ARDESIATA	kg/m ² 4,0	7,00		10	30
	kg/m ² 4,5	7,90		10	27

**VELAGUM SPECIAL
VELAGUM SPECIAL ARDESIATA**



Monoreinforced elasto-plastomeric waterproofing membrane made up of a compound of excellent quality based on distilled bitumen modified with APAO polyolefin polymers reinforced with high grammage continuous thread non woven polyester fabric.

It can be supplied either polished or self-protected with natural slate flakes

Intended use

VELAGUM SPECIAL: Monolayer - Multilayer: finishing layer – underlayer

VELAGUM SPECIAL ARDESIATA: Monolayer - Multilayer: finishing layer

Use

Due to its high flexibility, it is suitable for waterproofing structures subjected to mechanical stress, ensuring perfect adhesion to the laying surface.

Suitable for waterproofing flat or vaulted civil and industrial coverings, metal or prefabricated structures, vertical retaining walls and foundations.

TYPE	Thickness / Areic Mass	Price €/m ²	Cold flexibility	Quantity m ² /roll	Rolls / Pallets
VELAGUM SPECIAL	mm 4	10,45	-20°C	10	25
VELAGUM SPECIAL ARDESIATA	kg/m ² 4,5	10,45		10	25

**VELAGUM EXPORT TNT
VELAGUM EXPORT ARDESIATA**



Monoreinforced waterproofing membrane made up of a compound of excellent quality based on distilled bitumen modified with elasto-plastomeric polymers reinforced with non woven polyester fabric.

Only in TNT version, the upper surface of the membrane is covered with a polypropylene non woven fabric which not only ensures better mechanical properties, but also provides excellent support for the application of protective coatings.

Also available in a self-protected version with natural slate flakes.

Intended use

VELAGUM EXPORT TNT: Monolayer - Multilayer: finishing layer – underlayer

VELAGUM EXPORT ARDESIATA: Monolayer - Multilayer: finishing layer

Use

Due to its high flexibility, it is suitable for waterproofing structures subjected to mechanical stress, ensuring perfect adhesion to the laying surface.

Suitable for waterproofing flat or vaulted civil and industrial coverings, metal or prefabricated structures, vertical retaining walls and foundations.

TYPE	Thickness / Areic Mass	Price €/m ²	Cold flexibility	Quantity m ² /roll	Rolls / Pallets
VELAGUM EXPORT TNT	mm 4	9,65	-20°C	10	25
VELAGUM EXPORT ARDESIATA	kg/m ² 4,5	9,65		10	25

VELAGUM PLUS VELAGUM PLUS ARDESIATA



Monoreinforced waterproofing membrane made up of a compound of excellent quality based on distilled bitumen modified with elasto-plastomeric polymers reinforced with non woven polyester fabric.

Reinforcement and special compounds providing good mechanical properties in terms of excellent elongation at break, high puncture resistance, dimensional stability and high flexibility at low temperatures.

It can be supplied either polished or self-protected with natural slate flakes.

Intended use

VELAGUM PLUS: Multilayer: finishing layer - underlayer

VELAGUM PLUS ARDESIATA: Multilayer: finishing layer

Applications

Due to its flexibility, it is suitable for waterproofing flat or vaulted civil and industrial coverings, metal or prefabricated structures, vertical retaining walls and foundations.

TYPE	Thickness / Areic mass	Price €/m ²	Cold flexibility	Quantity m ² /roll	Rolls / Pallets
VELAGUM PLUS	mm 4	7,90	-15°C	10	25
VELAGUM PLUS ARDESIATA	kg/m ² 4,0	7,36		10	28
	kg/m ² 4,5	7,90		10	25

VELAGUM VELAGUM ARDESIATA



Monoreinforced waterproofing membrane made up of a compound of excellent quality based on distilled bitumen modified with elasto-plastomeric polymers reinforced with non woven polyester fabric providing excellent mechanical properties and high flexibility at low temperatures.

Non woven polyester fabric reinforcement providing dimensional stability and uniform tensile strength.

It can be supplied either polished or self-protected with natural slate flakes.

Intended use

VELAGUM: Multilayer: finishing layer - underlayer

VELAGUM ARDESIATA: Multilayer: finishing layer

Applications

Suitable for waterproofing flat or vaulted civil and industrial coverings, metal or prefabricated structures, retaining walls and foundations.

TYPE	Thickness / Areic mass	Price €/m ²	Cold flexibility	Quantity m ² /roll	Rolls / Pallets
VELAGUM	mm 3	6,45	-10°C	10	30
	mm 4	7,90		10	25
VELAGUM ARDESIATA	kg/m ² 4,5	7,90		10	25

RESINOLGUM PLUS
RESINOLGUM PLUS ARDESIATA



Monoreinforced waterproofing membrane made up of a compound based on distilled bitumen modified with plastomeric polymers reinforced with non woven polyester fabric. Stable and long-lasting product with good mechanical properties and high elongation at break.

It can be supplied either polished or self-protected with natural slate flakes.

Intended use

RESINOLGUM PLUS: Multilayer: finishing layer - underlayer

RESINOLGUM PLUS ARDESIATA: Multilayer: finishing layer

Applications

Suitable for waterproofing traditional flat or vaulted civil and industrial coverings, metal or prefabricated structures.

TYPE	Thickness / Areic mass	Price €/m ²	Cold flexibility	Quantity m ² /roll	Rolls / Pallets
RESINOLGUM PLUS	mm 3	6,05	-10°C	10	30
	mm 4	7,40		10	25
RESINOLGUM PLUS ARDESIATA	kg/m ² 4,0	6,70		10	28
	kg/m ² 4,5	7,40		10	25

SIMUN PLUS
SIMUN PLUS ARDESIATA



Monoreinforced waterproofing membrane made up of a compound based on distilled bitumen modified with polyolefin copolymers reinforced with non woven polyester fabric having an excellent quality/price ratio.

The reinforcement provides good mechanical properties, while the special compound ensures high flexibility at low temperatures.

Intended use

SIMUN PLUS: Multilayer: finishing layer - underlayer

SIMUN PLUS ARDESIATA: Multilayer: finishing layer

Applications

Suitable for waterproofing traditional flat or vaulted civil and industrial coverings, metal or prefabricated structures.

TYPE	Thickness / Areic mass	Price €/m ²	Cold flexibility	Quantity m ² /roll	Rolls / Pallets
SIMUN PLUS	mm 3	6,40	-10°C	10	30
	mm 4	7,15		10	25
SIMUN PLUS ARDESIATA	kg/m ² 4,0	6,55		10	30
	kg/m ² 4,5	7,15		10	27

MARIN PLUS MARIN PLUS ARDESIATA



Monoreinforced waterproofing membrane made up of a compound based on distilled bitumen modified with plastomeric polymers reinforced with non woven polyester fabric.

The reinforcement provides good mechanical properties, while the special compound ensures high flexibility at low temperatures.

Intended use

MARIN PLUS: Multilayer: finishing layer - underlayer

MARIN PLUS ARDESIATA: Multilayer: finishing layer

Applications

Suitable for waterproofing traditional flat or vaulted civil and industrial coverings, metal or prefabricated structures.

TYPE	Thickness / Areic mass	Price €/m ²	Cold flexibility	Quantity m ² /roll	Rolls / Pallets
MARIN PLUS	mm 3	5,65	-10°C	10	30
	mm 4	6,40		10	25
MARIN PLUS ARDESIATA	kg/m ² 4,0	6,00		10	30
	kg/m ² 4,5	6,40		10	25

MISTRAL MISTRAL ARDESIATA



Monoreinforced waterproofing membrane made up of a compound based on distilled bitumen modified with plastomeric polymers reinforced with non woven polyester fabric. Stable and long-lasting product with good mechanical properties and high dimensional stability.

It can be supplied either polished or self-protected with natural slate flakes.

Intended use

MISTRAL: Multilayer: finishing layer - underlayer

MISTRAL ARDESIATA: Multilayer: finishing layer

Applications

Due to its technical characteristics providing high versatility, it is suitable for waterproofing flat or vaulted civil and industrial coverings.

TYPE	Thickness / Areic mass	Price €/m ²	Cold flexibility	Quantity m ² /roll	Rolls / Pallets
MISTRAL	mm 3	5,50	-5°C	10	30
	mm 4	6,30		10	25
MISTRAL ARDESIATA	kg/m ² 4,5	6,30		10	25

BURIAN



Monoreinforced waterproofing membrane made up of a compound based on distilled bitumen modified with plastomeric polymers reinforced with non woven polyester fabric. The reinforcement provides good mechanical properties, while the special compound ensures high flexibility at low temperatures.

Intended use

Multistrato: underlayer

Applications

Suitable for waterproofing traditional flat or vaulted civil and industrial coverings.

TYPE	Thickness / Areic mass	Price €/m ²	Cold flexibility	Quantity m ² /roll	Rolls / Pallets
BURIAN	mm 3	5,36	-5°C	10	30
	mm 4	6,08		10	25

MARIN



Monoreinforced waterproofing membrane made up of a compound based on distilled bitumen modified with plastomeric polymers reinforced with non woven polyester fabric.

The reinforcement provides good mechanical properties, while the special compound ensures high flexibility at low temperatures

Intended use

Multistrato: underlayer

Applications

Suitable for waterproofing civil and industrial coverings used as an underlayer or an intermediate layer in multilayer waterproofing systems.

TYPE	Thickness / Areic mass	Price €/m ²	Cold flexibility	Quantity m ² /roll	Rolls / Pallets
MARIN	mm 3	5,05	-5°C	10	36
	mm 4	5,35		10	27
MARIN	kg/m ² 3,0	4,56		10	42
	kg/m ² 4,0	5,20		10	30

BLIZZARD ARDESIATA



Monoreinforced waterproofing membrane made up of a compound based on distilled bitumen modified with plastomeric polymers reinforced with non woven polyester fabric. Reinforcement and special compounds ensuring high flexibility at low temperatures and good mechanical properties.

The upper surface of the membrane is self-protected with natural slate flakes.

Intended use

Under tile layer

Applications

Suitable for waterproofing civil and industrial coverings used as an under tile layer.

TYPE	Thickness / Areic mass	Price €/m²	Cold flexibility	Quantity m²/roll	Rolls / Pallets
BLIZZARD ARDESIATA	kg/m² 3,5	5,00	-5°C	10	36
	kg/m² 4,0	5,25		10	33
	kg/m² 4,5	5,80		10	30

MULTICOLOR



Monoreinforced waterproofing membrane made up of a compound based on distilled bitumen modified with plastomeric polymers reinforced with non woven polyester fabric. Reinforcement and special compounds ensuring high workability and good mechanical properties.

The upper surface of the membrane is self-protected with mixed colour natural slate flakes.

Intended use

Under tile layer

Applications

Suitable for waterproofing civil and industrial coverings used as an under tile layer.

TYPE	Thickness / Areic mass	Price €/m²	Cold flexibility	Quantity m²/roll	Rolls / Pallets
MULTICOLOR	kg/m² 3,5	4,30	-5°C	10	36
	kg/m² 4,0	4,55		10	33
	kg/m² 4,5	4,95		10	30

GHIBLI



Monoreinforced waterproofing membrane made up of a compound based on distilled bitumen modified with plastomeric polymers reinforced with strengthened fibreglass having excellent dimensional stability.

Only available in the polished version.

Intended use

Multistrato: underlayer

Applications

Suitable for waterproofing civil and industrial coverings used as an underlayer or an intermediate layer in multilayer waterproofing systems.

TYPE	Thickness / Areic mass	Price €/m ²	Cold flexibility	Quantity m ² /roll	Rolls / Pallets
GHIBLI	kg/m ² 3,0	3,75	-5°C	10	42
	kg/m ² 4,0	4,45		10	36

SELF-PROTECTED MEMBRANES WITH METAL SHEETS

RAME - ALLUMINIO



Glass fabric reinforced waterproofing membrane made up of a special compound based on distilled bitumen modified with elastomeric polymers (BPE), self-protected with copper or aluminium metal sheets with special embossing allowing free metal expansion. Surface finishing not only ensures good aesthetic appearance, but also reflects sunrays, thus protecting the membrane against atmospheric agents, highly reducing maintenance operations.

It can be supplied with **copper** or **aluminium** sheets.

Intended use

Multistrato: finishing layer

Applications

Suitable for waterproofing civil and industrial coverings requiring perfect adhesion of the waterproofing membrane and a better aesthetic finish.

TYPE	Thickness / Areic mass	Price €/m ²	Cold flexibility	Quantity m ² /roll	Rolls / Pallets
RAME (COPPER)	kg/m ² 4,0	37,50	-25°C	10	25
ALLUMINIO (ALUMINIUM)	kg/m ² 4,0	16,35		10	24

KATAK KATAK ARDESIATA



Self-adhesive bituminous membrane of excellent quality made up of a special elastomeric compound (BPE) reinforced with non woven polyester fabric.

Adhesivation treatments ensure excellent adhesion even in difficult situations, while the reinforcement provides excellent dimensional stability, mechanical performance and on-site workability.

Products available in a polished version cannot be exposed to UV rays. The product can be supplied either polished (polyethylene finishing) or self-protected with slate flakes.

Intended use

KATAK - Multilayer: underlayer

KATAK ARDESIATA - Multilayer: under tile or under discontinuous coverings in general

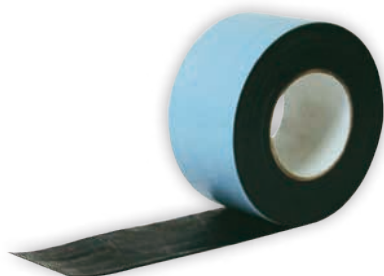
Applications

Suitable for all types of coverings and especially for thermal insulation materials such as polyurethane foam, extruded polystyrene foam or wooden coverings and used instead of flame application of waterproofing membranes.

TYPE	Thickness / Areic mass	Price €/m ²	Cold flexibility	Quantity m ² /roll	Rolls / Pallets
KATAK	mm 2	7,45	-15°C	15	30
KATAK ARDESIATA	kg/m ² 3,5	8,55		10	30
	kg/m ² 4,0	9,10		10	27

SELF-ADHESIVE MEMBRANES SUPPLIED IN STRIPS

KABITENE



Self-adhesive bituminous membrane supplied in strips having a standard height of 5-10-15-20 cm and available in other sizes upon demand.

Applications

Suitable as an anti-corrosive coating for buried pipes and for all types of maintenance works such as eaves gutters, downpipes, valley gutters, canopies, etc.

TYPE	Roll height	Price €/m	Cold flexibility	Quantity m ² /roll	Rolls / boxes
KABITENE	cm 5	1,87	-15°C	15	20
	cm 10	2,80		15	8
	cm 15	3,85		15	4
	cm 20	4,78		15	4

VELAGUM ANTIRADICE



Monoreinforced waterproofing membrane made up of a compound based on distilled bitumen modified with plastomeric polymers reinforced with non woven polyester fabric. Special compound ensuring high flexibility at low temperatures mixed with special chemical components preventing plant root perforation.

Intended use

Antiroot membrane.

Applications

Suitable as a barrier against plant root penetration. Suitable for waterproofing green roofs, hanging gardens, flower pots and buried structures in general.

TYPE	Thickness	Price €/m ²	Cold flexibility	Quantity m ² /roll	Rolls / Pallets
VELAGUM ANTIRADICE (ANTIROOT)	mm 4	9,38	-10°C	10	25

RESINOLGUM VAPOR RESINOLGUM ANTIRADON



Elasto-plastomeric waterproofing membrane designed for special applications either as a vapour barrier (RESINOLGUM VAPOR) or as a radon gas barrier (RESINOLGUM ANTIRADON). Reinforcement made up of an aluminium sheet coupled with rot-proof fibreglass. Compound based on modified distilled bitumen ensuring high flexibility at low temperatures.

Intended use

RESINOLGUM VAPOR - Vapour barrier

RESINOLGUM ANTIRADON - Radon gas barrier

Applications

RESINOLGUM VAPOR: Mainly suitable for waterproofing coverings under insulation layers ensuring higher durability. Suitable for use in the presence of high relative humidity values.

RESINOLGUM ANTIRADON: It can be used as a radon gas barrier for foundations or retaining walls.

TYPE	Thickness / Areic mass	Price €/m ²	Cold flexibility	Quantity m ² /roll	Rolls / Pallets
RESINOLGUM VAPOR	kg/m ² 3,0	6,15	-10°C	10	36
RESINOLGUM ANTIRADON	mm 4	9,25		10	30

SIMUN PLUS R25



Monoreinforced waterproofing membrane made up of a compound based on distilled bitumen modified with polyolefin copolymers reinforced with high grammage continuous thread non woven polyester fabric.

The special compound ensures high flexibility at low temperatures, while the reinforcement provides high mechanical properties in terms of elongation at break, dimensional stability and puncture resistance.

Intended use

Structures subjected to high mechanical stress.

Applications

Suitable for waterproofing structures subjected to high mechanical stress, such as foundations, pitched roof structures, containment basins, bridges, viaducts and metal structures.

TYPE	Thickness	Price €/m ²	Cold flexibility	Quantity m ² /roll	Rolls / Pallets
SIMUN PLUS R25	mm 4	9,80	-10°C	10	25

VELAGUM ANTIFIAMMA



Monoreinforced waterproofing membrane made up of a compound based on distilled bitumen modified with elasto-plastomeric polymers reinforced with non woven polyester fabric with excellent mechanical properties and high flexibility at low temperatures.

Waterproofing compound mixed with special inorganic and non-toxic compounds providing flame retardant functions. Non woven polyester fabric reinforcement providing dimensional stability and uniform tensile strength. Only available in a self-protected version with natural slate flakes.

Intended use

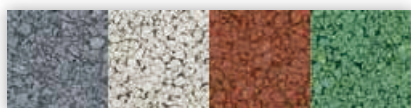
Monolayer - Multilayer: Finishing layer.

Applications

Suitable for waterproofing civil and industrial coverings requiring excellent adhesion of the waterproofing membrane according to EUROCLASS B Roof T2 reaction to fire classification.

TYPE	Thickness	Price €/m ²	Cold flexibility	Quantity m ² /roll	Rolls / Pallets
VELAGUM ANTIFIAMMA	kg/m ² 4,5	15,00	-10°C	10	24

SPECIAL FINISHES



SURCHARGE FOR SPECIAL FINISHES.

TYPE	Colour	Price €/m ²	
ARDESIA (SLATE)	RED	0,49	
ARDESIA (SLATE)	GREEN	0,65	
ARDESIA (SLATE)	WHITE	1,35	
TNT NON WOVEN FABRIC	BLACK	0,44	

Consider a minimum order quantity of 6 pallets if the product is out of stock.

DUALTEX BIARMATA



Double reinforced waterproofing membrane made up of a compound based on distilled bitumen modified with elasto-plastomeric polymers reinforced with non woven polyester fabric and fiberglass. Stable and long-lasting product with good mechanical properties and high elongation at break. It can be supplied either polished or self-protected with natural slate flakes.

The special compound ensures high flexibility at low temperatures, while the reinforcement provides high mechanical properties in terms of elongation at break, dimensional stability and puncture resistance.

Intended use

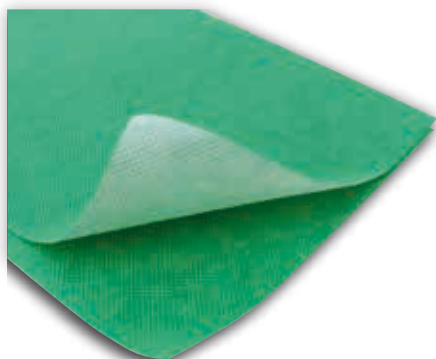
Structures subjected to high mechanical stress.

Applications

Suitable for waterproofing structures subjected to high mechanical stress requiring excellent dimensional stability.

TYPE	Thickness / Areic mass	Price €/m ²	Cold flexibility	Quantity m ² /roll	Rolls / Pallets
DUALTEX BIARMATA	mm 4	8,70	-10°C	10	24
DUALTEX BIARMATA ARDESIATA	kg/m ² 4,5	8,70		10	24

VELAIR 13 VELAIR 15



Synthetic breathable film coupled with two layers of non woven polypropylene fabric allowing regular passage of water vapour which is impermeable to condensate water, allowing roof and façade ventilation.

It can be fully recycled providing high UV and wind resistance.

Intended use

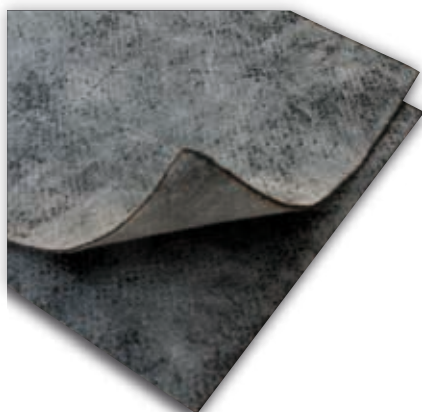
Traspirante.

Applications

It can be used as a synthetic breathable under tile layer to be directly bonded to the thermal insulation layer. Suitable for use in every case requiring the passage of water vapour.

TYPE	Thickness / Areic mass	Price €/m ²	Quantity m ² /roll	Rolls / Pallets
VELAIR 15	gr/m ² 150	3,35	75	20
VELAIR 13	gr/m ² 130	2,95	75	20

VELAFREN 14



Vapour barrier made up of three layers of non woven fabric and polypropylene film specially designed to slow down the passage of air and water vapour through insulation layers, thus reducing the formation of condensation. It can be fully recycled providing high wind resistance.

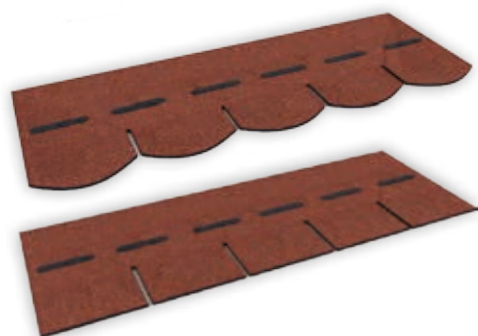
Intended use

Vapour barrier.

Applications

Suitable for wall underlays and discontinuous coverings. It can be used as a barrier protecting insulation layers against the penetration of water vapour.

TYPE	Thickness / Areic mass	Price €/m ²	Quantity m ² /roll	Rolls / Pallets
VELAFREN 14	gr/m ² 140	2,75	75	20

**RECTANGULAR SHAPED SHINGLES
ROUND SHAPED SHINGLES**


Bituminous shingles self-protected with ceramic-coated granules reinforced with fiberglass available in three profiles. The reinforcement provides good dimensional stability even in the presence of high temperature ranges. The upper surface of the shingles covered with ceramic-coated granules protects bitumen layers against UV rays and atmospheric agents.

Available in black, grey, red, green or brown.

Intended use

Multilayer: finishing layer.

Applications

Suitable for use with any kind of pitched roof coverings, in particular at high slopes.

Available in black, grey, red, green or brown.

TYPE	Shingles cm.	Price €/m²	Quantity m²/pack	Packs / Pallets
RECTANGULAR SHAPED SHINGLES	100x34	18.00	2,32	80
ROUND SHAPED SHINGLES	100x34	19.20	2,32	80


SHINGLE ACCESSORIES


TYPE	H mm.	Price €/cartridge	Quantity kg/pack
GALVANIZED NAILS	20 - 25 - 30	84,95	5



TYPE	Cartridges	Price €/cartridge	Quantity cartridges/pack
MASTIC	310 ml	10,45	25

VELASCREEN


Pre-formed high density extruded polyethylene membrane with protruding areas which not only facilitate drainage, but also increase impact and load resistance.

Applications

Suitable for protecting waterproofing membranes, ensuring excellent impact and concentrated load resistance, favouring drainage and ventilation so as to prevent damage caused by water or moisture. Suitable for use with foundations and underground walls in general, flat roofs, tunnels, hanging gardens and under floating floors.

TYPE	Roll height cm	Price €/m ²	Quantity m ² /roll	Rolls / Pallets
VELASCREEN	100	3,00	20	30
	150	3,00	30	20
	200	3,00	40	15
	250	3,00	50	15
	300	3,00	60	20

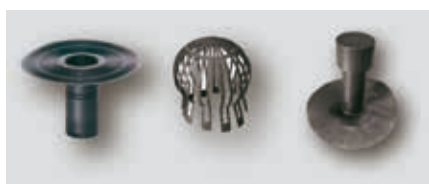
NON WOVEN FABRIC


Geotextile fabric which is only made up of synthetic fibres connected to each other by means of a needle punching process without using any glue or chemical binder.

Applications

Suitable for protecting geomembranes against puncture and tearing due to the presence of sharp or rough objects encountered during the waterproofing of flat roofs, terraces, tunnels, watersheds, landfills, but also as a filtering layer for the construction of hanging gardens, sports fields, trench drains, landfills. Available in standard grammages of 200 gr/m² and in other grammages upon request.

TYPE	Roll height cm	Price €/m ²	Quantity m ² /roll
NON WOVEN FABRIC	200	1,29	300

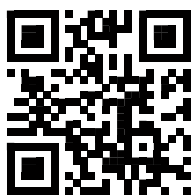
**DRAIN OUTLETS,
LEAF GUARDS, AERATORS**


TPE outlets connecting waterproofing bituminous membranes to downpipes with a slightly conical structure for facilitating the laying of downpipes provided with a ribbed flange favouring adhesion to bituminous membranes and two rings placed on the shank acting as an anti-reflux sealing device between the outlet and downpipes. Products made of elastic material ensuring long-lasting tightness. The shank placed on the upper side of the outlet is provided with knurls so that leaf guards or gravel stops can be connected to the outlet.

TYPE	Ø mm	Price €/cad.	Quantity / pack
DRAIN OUTLETS Height 240 mm	80	8,00	25
	100	8,50	25
	120	9,00	20
UNIVERSAL LEAF GUARDS	80 - 120	1,50	50
AERATORS	80	11,00	20







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