



PRODUCTS AND SYSTEMS

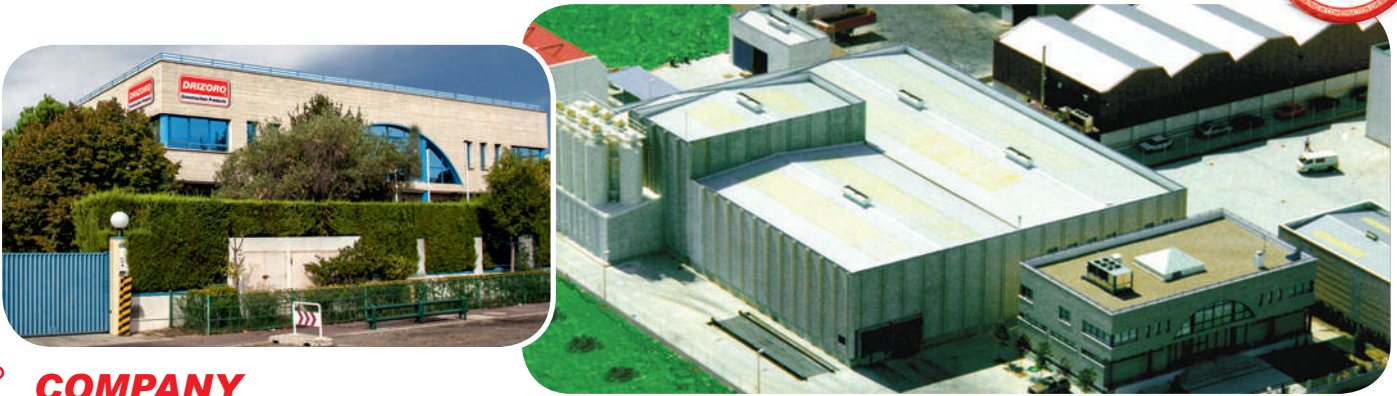


Waterproofing of roofs

**MAXELASTIC PUR | PUR -HW | PUR THERMOCOAT Systems
MAXELASTIC TRANS -W System**



**Waterproof coating suitable for roofing by
polyurethane-based elastomeric continuous liquid membrane**



COMPANY

DRIZORO[®], S.A.U. is a Spanish company founded in 1977, starting its activity as a manufacturer of chemical products for construction. It is now a benchmark for the sector in solutions for civil engineering and building, in the fields of waterproofing, restoration, protection and finishing of concrete structures.

From our Headquarters and Production Center in Torrejón de Ardoz (Madrid) all the operations of the different departments are directed; production, R & D, laboratory, technical, sales, marketing and administration.

COMMITMENT TO QUALITY AND THE ENVIRONMENT

Our strong commitment to Quality and the Environment policies, drive us to the implementation of an Integrated Management System based on ISO 9001:2015 and ISO 14001:2015 standards, and certified by Bureau Veritas Quality International.

COMMITMENT TO RESEARCH, DEVELOPMENT AND INNOVATION

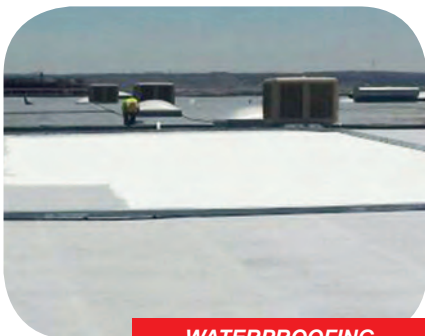
Our continuous commitment to research and development policies, investing both in human resources and in technical means, allows us to offer the market solutions based on the high quality and latest technology systems, and provide innovative solutions supported also by a proven and tested experience under the most adverse conditions throughout the entire world geography.

TECHNICAL SUPPORT

Our Technical and Commercial Department and Sales Department, consisting of technical professionals with extensive experience in the sector, offers advice in a personalized manner both in the design phase and in the execution phase, with the aim of reaching an optimal prescription and implementation of our proposed products and systems.



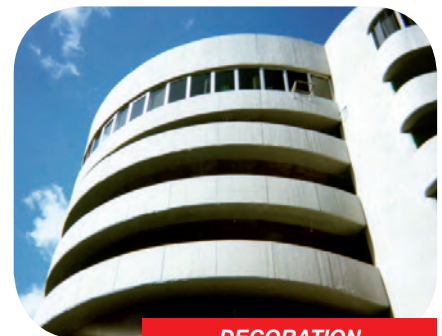
DRIZORO[®] TECHNICAL SOLUTIONS



WATERPROOFING



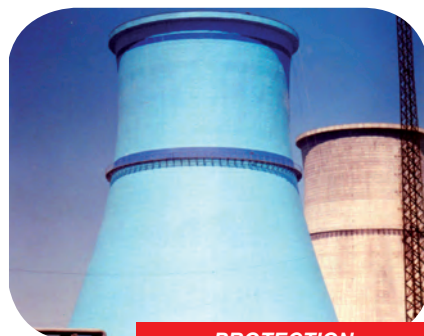
STRENGTHENING



DECORATION



REPAIR

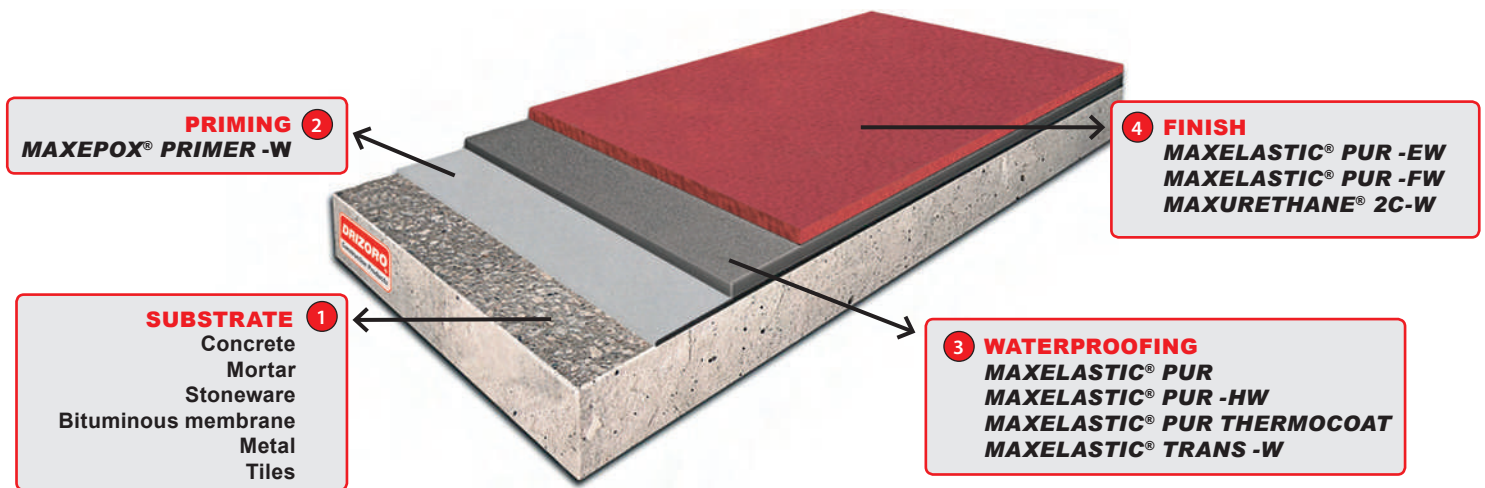


PROTECTION



OTHER USES

DESCRIPTION OF DRIZORO® ROOFING SYSTEMS

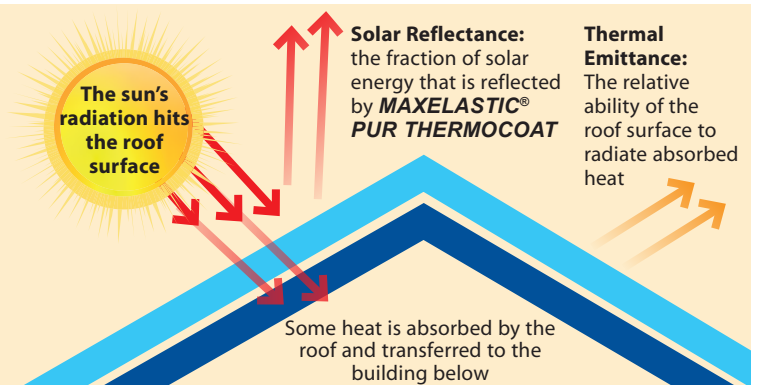


Durability, conservation and energy efficiency of a building depends to a large extent on the conditions of the roof, due to its susceptibility to water leaks. Thus, current market for roofing asks for waterproofing solutions based on in-situ applied continuous liquid membranes that allow a great adaptability to site conditions. The **MAXELASTIC® PUR** polyurethane-based system range, composed of primer layer, waterproofing liquid membrane and topcoat, provides suitable continuous roofing adapted to both mechanical specifications and weather requirements, ensuring the watertightness and long lasting for the building. Thus, **MAXELASTIC® PUR** and **MAXELASTIC® PUR -HW**

systems, based on high-quality, colored polyurethane resins, are composed of different products used sequentially, and allow the waterproofing and protection of all types of roofs. Both systems have CE Marking according to the Guideline for European Technical Approval of "Liquid Applied Roofing Systems", **ETAG 005**.

The **MAXELASTIC® TRANS -W** system, based on high-quality, transparent aliphatic polyurethane resins, allows the waterproofing and protection of tiled roofs and terraces, maintaining the aesthetics of the surface provided by the tiling without requiring the elimination of it.

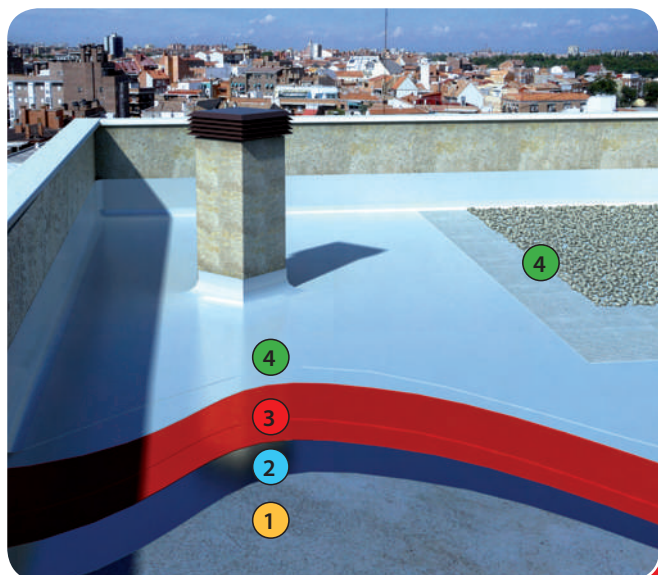
The **MAXELASTIC® PUR THERMOCOAT** system, due to its high values for solar reflectance and thermal emittance, contributes to the cooling of the indoors, thus increasing comfort inside the building. Likewise, this system also improves energy efficiency since the surface reflects sunlight and dissipates heat, keeping the interior in suitable conditions when there is a high temperature outside.



STRUCTURES OF THE SYSTEMS

	①	②	③	④	
TYPE	SUBSTRATE	PRIMING	WATERPROOFING	FINISH	
TRAFFICABLE ROOF (PEDESTRIAN) Occasional use	Concrete / Mortar	MAXEPOX® PRIMER -W	MAXELASTIC® PUR	MAXELASTIC® PUR -EW	CE
	Porous Tile / Bituminous membrane		MAXELASTIC® PUR -HW	Exposed	
TRAFFICABLE ROOF (PEDESTRIAN) Intensive use	Concrete / Mortar		MAXELASTIC® PUR	MAXELASTIC® PUR -EW	
	Porous Tile / Bituminous membrane		MAXELASTIC® PUR -HW	MAXURETHANE® 2C-W	
TRAFFICABLE ROOF (WHEELED)	Concrete		MAXELASTIC® PUR	MAXELASTIC® PUR -FW	
			MAXELASTIC® PUR -HW	MAXELASTIC® PUR -FW	
GREEN ROOF	Concrete / Mortar	MAXELASTIC® PUR	MAXDRAIN® D20 GARDEN & DRIZORO® GEOTEXTILE		
COOL ROOF	Concrete / Mortar / Metal	MAXELASTIC® PUR	Exposed		
		MAXELASTIC® PUR -HW			
TERRACES AND BALCONIES	Porous-Glazed Tile / Stoneware	MAXPRIMER® PUR -W	MAXELASTIC® PUR THERMOCOAT	Exposed	
		MAXELASTIC® TRANS -W			

WATERPROOFING SYSTEM FOR ROOFS BY ELASTOMERIC POLYURETHANE-BASED LIQUID MEMBRANE



TRAFFICABLE ROOF (PEDESTRIAN): Occasional use

4.- FINISH

- 4A- **MAXELASTIC® PUR-EW**, 2x 0,25 kg/m².
- 4B- Exposed

3.- WATERPROOFING

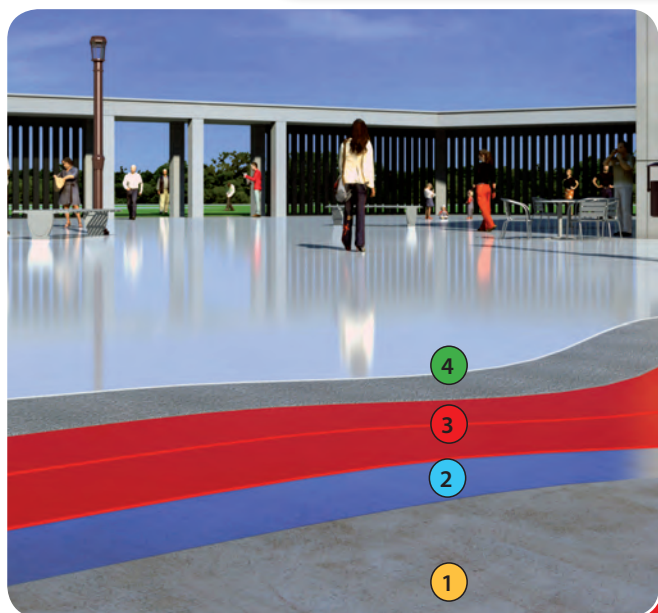
- 3A- Standard: **MAXELASTIC® PUR**, 2x 0,8 kg/m².
ETAG 005: **MAXELASTIC® PUR**, total consumption: 2,4-4,1 kg/m².
- 3B- Standard: **MAXELASTIC® PUR -HW**, 2x 0,8 kg/m².
ETAG 005: **MAXELASTIC® PUR -HW**, total consumption: 2,0-3,0 kg/m².

2.- PRIMING

- MAXEPOX® PRIMER -W**, 1x 0,3 kg/m².

1.- SUBSTRATE

- Concrete / Mortar / Bituminous membrane / Porous tile.



TRAFFICABLE ROOF (PEDESTRIAN): Intensive use

4.- FINISH

- MAXELASTIC® PUR-EW**, 2x 0,25 kg/m².
- MAXURETHANE 2C-W**, 2x 0,25 kg/m².

3.- WATERPROOFING

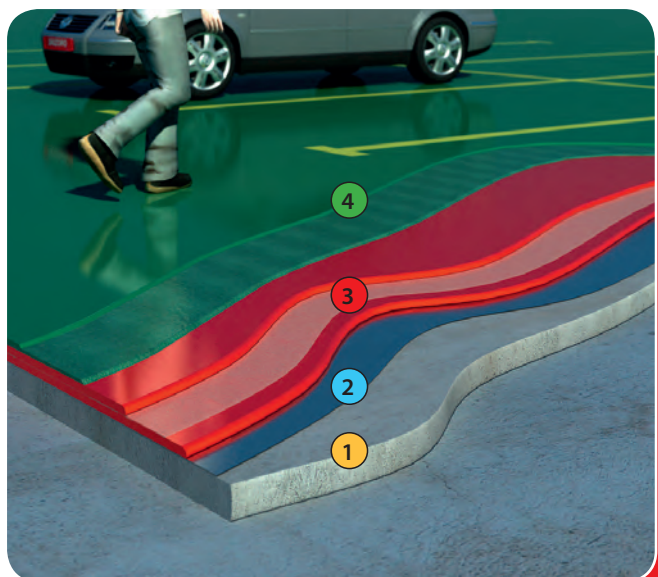
- 3A- Standard: **MAXELASTIC® PUR**, 2x 0,8 kg/m².
ETAG 005: **MAXELASTIC® PUR**, total consumption: 2,4-4,1 kg/m².
- 3B- Standard: **MAXELASTIC® PUR -HW**, 2x 0,8 kg/m².
ETAG 005: **MAXELASTIC® PUR -HW**, total consumption: 2,0-3,0 kg/m².

2.- PRIMING

- MAXEPOX PRIMER® -W**, 1x 0,3 kg/m².

1.- SUBSTRATE

- Concrete / Mortar / Bituminous membrane / Porous tile.



TRAFFICABLE ROOF (WHEELED)

4.- FINISH

- MAXELASTIC® PUR -FW**, 2x 0,25 kg/m².

3.- WATERPROOFING

- 3A- ETAG 005: **MAXELASTIC® PUR**, total consumption: 4,1 kg/m².
- 3B- ETAG 005: **MAXELASTIC® PUR -HW**, total consumption: 3,0 kg/m².

2.- PRIMING

- MAXEPOX® PRIMER -W**, 1x 0,3 kg/m².

1.- SUBSTRATE

- Concrete

WATERPROOFING SYSTEM FOR ROOFS BY ELASTOMERIC POLYURETHANE-BASED LIQUID MEMBRANE



GREEN ROOF

4.- FINISH

MAXDRAIN® D20 GARDEN & DRIZORO® GEOTEXTILE

3.- WATERPROOFING

3A- Standard: ETAG 005: *MAXELASTIC® PUR*, total consumption: 4,1 kg/m².

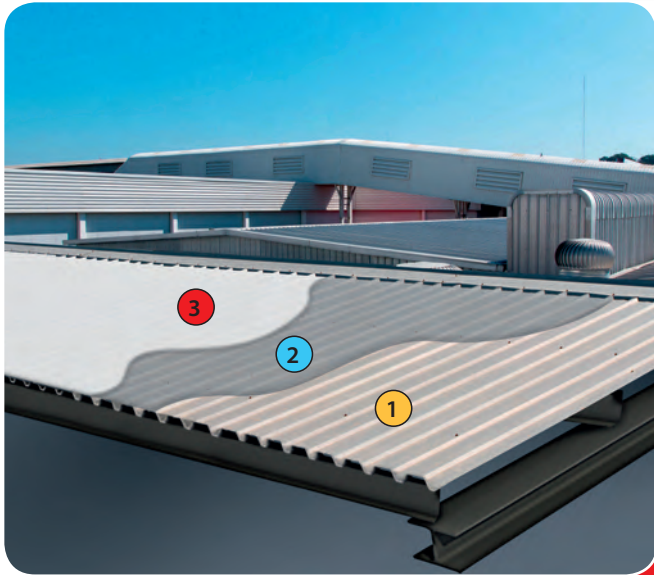
3B- Standard: ETAG 005: *MAXELASTIC® PUR -HW*, total consumption: 3,0 kg/m².

2.- PRIMING

MAXEPOX® PRIMER -W, 1x 0,3 kg/m².

1.- SUBSTRATE

Concrete / Mortar



COOL ROOF

3.- WATERPROOFING AND FINISH

MAXELASTIC® PUR THERMOCOAT, 2x 1,0 kg/m².

2.- PRIMING

MAXEPOX® PRIMER -W, 1x 0,3 kg/m².

1.- SUBSTRATE

Concrete / Mortar / Metal.



TERRACES AND BALCONIES (TRANSPARENT)

3.- WATERPROOFING

MAXELASTIC® TRANS -W, 2x 0,6 kg/m².

2.- PRIMING

MAXPRIMER® PUR -W, consumption: 0,15 kg/m².

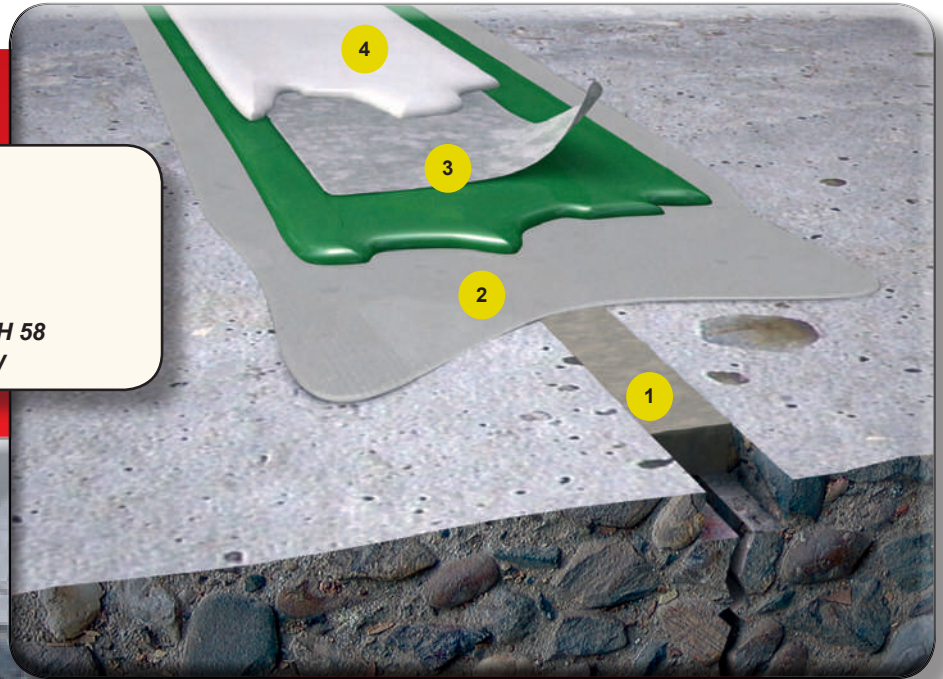
1.- SUBSTRATE

Porous-Gazed tile / Stoneware.

TREATMENT OF OUTSTANDING POINTS

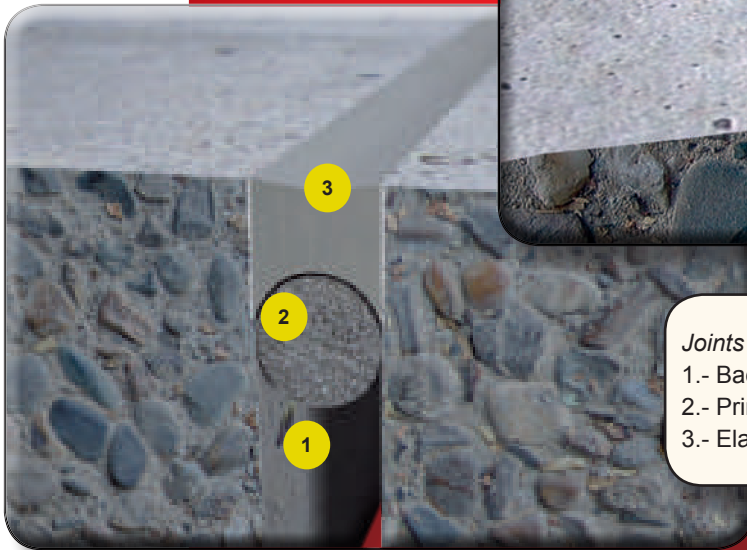
Fissures and cracks:

- 1.- Elastomeric sealing system: **MAXFLEX® 100 W / MAXFLEX® -CB**
- 2.- Primer: **MAXEPOX® PRIMER -W**
- 3.- 1st coat: **MAXELASTIC® PUR / PUR -HW + DRIZORO® VEIL M-100 / MESH 58**
- 4.- 2nd coat: **MAXELASTIC® PUR / PUR -HW**



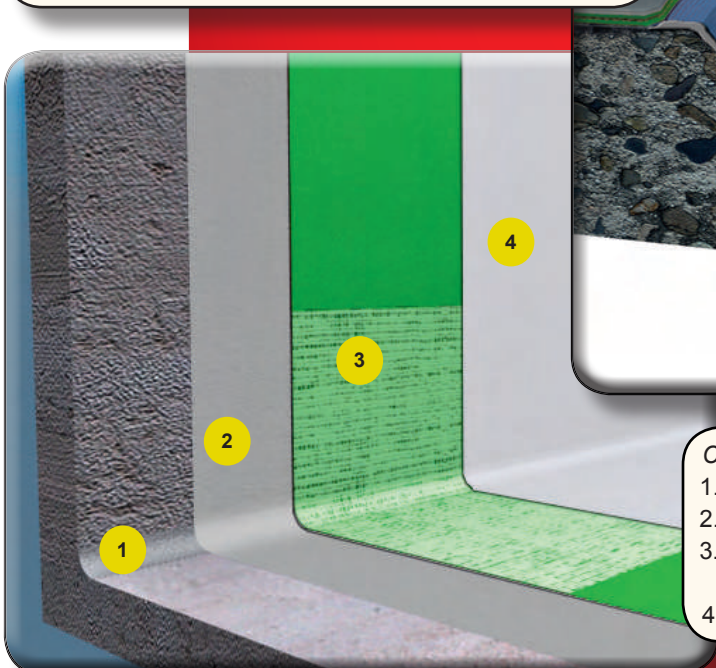
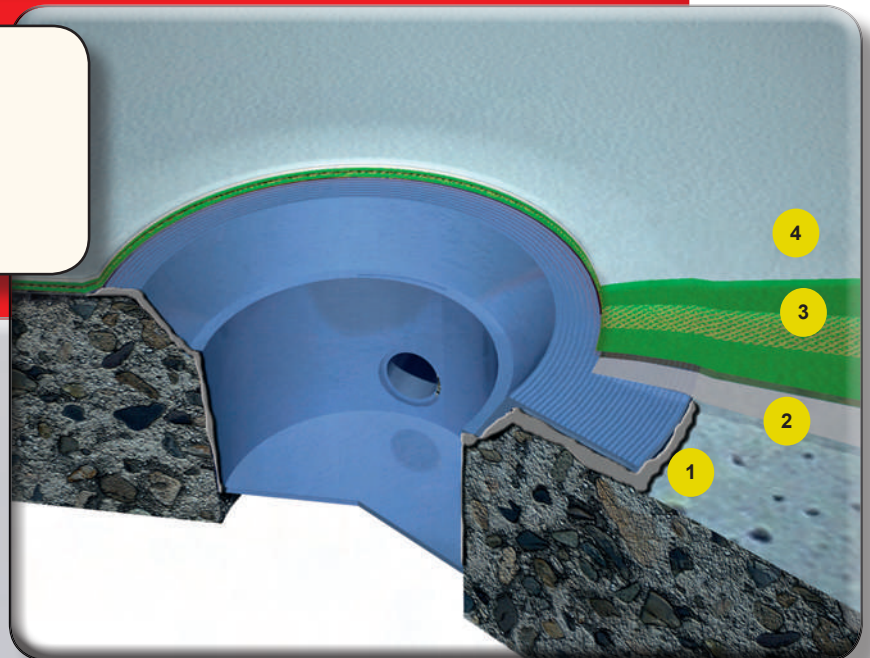
Joints subject to movemets:

- 1.- Backing rod: **MAXCEL®**
- 2.- Primer: **PRIMER® 1**
- 3.- Elastomeric sealant: **MAXFLEX® 100 W**



Sinks and drains:

- 1.- Elastomeric sealant: **MAXFLEX® 100 W**
- 2.- Primer: **MAXEPOX® PRIMER -W**
- 3.- 1st coat: : **MAXELASTIC® PUR / PUR -HW + DRIZORO® VEIL M-100 / MESH 58**
- 4.- 2nd coat **MAXELASTIC® PUR / PUR -HW**



Corners:

- 1.- Concave corners: **MAXREST®**
- 2.- Primer: **MAXEPOX® PRIMER -W**
- 3.- 1st coat: **MAXELASTIC® PUR / PUR -HW + DRIZORO® VEIL M-100 / MESH 58**
- 4.- 2nd coat: **MAXELASTIC® PUR / PUR -HW**

DRIZORO®, S.A.U. offers its customers a series of tests carried out by the main external laboratories that guarantee the performance of the **MAXELASTIC® PUR**, **MAXELASTIC® PUR -HW** and **MAXELASTIC® TRANS -W** systems. Thus, these tests validate the waterproofing properties, elasticity, resistance to abrasion, CE marking, etc...



Waterproofing of roofs previously covered with bituminous membrane



Waterproofing of cool roofs by MAXELASTIC® PUR THERMOCOAT

ADVANTAGES FOR DRIZORO® ROOFING SYSTEMS

- CONTINUOUS COATING WITHOUT JOINTS** or connections, fitting to the geometry of the substrate.
- HIGH ELASTICITY** even in extreme weather conditions of high and low temperatures, **WORKING TEMPERATURE RANGE FROM -40 °C TO 100 °C.**
- Excellent **CRACK-BRIDGING ABILITY**. Absorbs thermal movements of substrate as well as vibrations.
- EASY TO APPLY**, by brush, roller or air-less gun.
- Suitable for **PERMANENT IMMERSION** applications.
- UV RAYS AND ABRASION RESISTANT**. Suitable for pedestrian and wheeled traffic.
- Good **CHEMICAL RESISTANCE** to **DE-ICING SALTS, SEAWATER, WASTEWATER, DILUTED ALKALI AND ACID SOLUTIONS.**



Complementary products

DESCRIPTION	CONSUMPTION	PACKAGING	APPLICATION FIELDS
PRIMING			
MAXPRIMER® PUR -W Water-based, two-component, transparent aliphatic polyurethane primer.	0,15-0,20 kg/m ²	5 kg pre-weighed sets	Priming for MAXELASTIC TRANS -W to be applied on porous and non-porous tiled surfaces.
MAXEPOX® PRIMER -W Water-based epoxy primer for epoxy or polyurethane systems on concrete or mortars.	0,3 kg/m ²	10 kg and 20 kg pre-weight sets	Priming for epoxy or polyurethane roofing systems to be applied on concrete or mortars with certain level of humidity.
CONTINUOUS LIQUID MEMBRANE SYSTEMS			
MAXELASTIC® PUR Polyurethane elastomeric membrane for waterproofing of roofs and outdoors areas.	Standard: 1,2-1,8 kg/m ² ETAG 005: 2,4-4,1 kg/m ²	25 kg drums	One-component, solvent-based aromatic polyurethane elastomeric, waterproofing and protective liquid membrane for roofs and outdoor areas. Available in 5 different colours
MAXELASTIC® PUR -HW Water-based, hybrid polyurethane elastomeric membrane for waterproofing of roofs and outdoors areas.	Standard: 1,6-2,0 kg/m ² ETAG 005: 2,0-3,0 kg/m ²	25 kg drums	Elastomeric waterproofing for all types of roof and outdoor areas: flat roofs, balconies, terraces, façades, etc. Waterproofing under tiled floor in indoor or outdoor areas. Waterproofing of roofs on asphaltic membranes
MAXELASTIC PUR® THERMOCOAT Water-based, polyurethane elastomeric liquid membrane for thermal insulation and waterproofing of roofs and outdoors areas	2,0-3,0 kg/m ²	22 kg drums	Elastomeric waterproofing for all types of roof and outdoor areas provided with very high solar reflectance and thermal emittance.
MAXELASTIC® TRANS -W Transparent, one-component, water-based aliphatic polyurethane elastomeric liquid membrane for waterproofing of roofs and outdoors areas.	1,0-1,2 kg/m ²	5 kg and 25 kg drums	Waterproofing of roofs, terraces, balconies and outdoor areas covered with ceramic tiles and subject to pedestrian traffic. Waterproofing and protection of transparent covers and roofs made of glass, plastic or polycarbonate.
FINISHING			
MAXURETHANE® 2C -W	0,20-0,25 kg/m ² per coat	5 kg and 22,35 kg drums	Protection against UV radiation and suitable pedestrian trafficable coating on roofs previously waterproofed with MAXELASTIC® PUR or MAXELASTIC® PUR HW
MAXELASTIC® PUR -EW One-component, water-based aliphatic polyurethane, elastomeric liquid membrane for waterproofing and protection of roofs and outdoor areas.	0,20-0,25 kg/m ² per coat	22 kg drums	Protection against UV radiation for roofs previously waterproofed with MAXELASTIC® PUR HW . Protection and finishing of water-based polyurethane or epoxy systems applied outdoors
MAXELASTIC PUR -FW One-component, water-based aliphatic polyurethane elastomeric liquid membrane resistant to abrasion and UV for waterproofing and protection of roofs and outdoor areas subjected to car traffic.	0,20-0,25 kg/m ² per coat	10 kg and 22 kg drums	Abrasion protection against car traffic on MAXELASTIC® PUR -HW in parking decks, access ramps, slabs, etc. Protection and decorative finish on outdoor floors over concrete, mortars, tiles, fibre-cement, etc., subject to high abrasion conditions and wearing by pedestrian or car traffic.
CATALYSTS AND SOLVENT			
MAXELASTIC® PUR CAT Catalyst for fast drying/curing of MAXELASTIC® PUR system.	4 % w/w	1 l cans	Waterproofing jobs carried out with MAXELASTIC® PUR under both low temperature and/or high relative humidity conditions.
MAXELASTIC® CAT -W Catalyst for fast drying/curing of MAXELASTIC® PUR -HW , and other water-based coatings	1-2% w/w	0,5 l cans	Waterproofing jobs carried out with MAXELASTIC® PUR -HW under both low temperature and/or high relative humidity conditions.
MAXSOLVENT® Special mixture of organic solvents and thinner.	----	25 l and 5 l metallic drums	Diluting of solvent-based waterproof coatings such as MAXELASTIC® PUR
ELASTOMERIC SEALING SYSTEMS			
MAXFLEX® 100 W Low modulus, one-component, polyurethane elastomeric sealant.	100 ml/m per 10x10 mm joint	600 ml bags and 300 ml cartridges	Low modulus, one-component, polyurethane-based elastomeric sealant for permanent immersion conditions and weathering resistant.
MAXFLEX CB Self-adhesive, cold applied, butyl-rubber based waterproofing tape reinforced with non-woven fabric	----	10 m length rolls	Sealing of expansion joints, cracks and corners (8,5 cm wide). In waterproofing jobs with liquid applied waterproofing systems.
REINFORCING VEILS FOR ROOFING SYSTEMS			
DRIZORO® VEIL Alkali-resistant glass fiber/polyester non-woven veil.	----	----	Reinforcement of liquid resin-based coatings. Available in different types and weights: DRIZORO® VEIL G-45 / E-45 / M-100 / E-100
DRIZORO® MESH Alkali-resistant glass fiber woven mesh	----	----	Reinforcement of waterproof coating. Available in different types: DRIZORO® MESH 58 / 140
PROTECTION			
MAXDRAIN® D-20 GARDEN HDPE drainage sheet with conical nodules of, high compressive strength and high drainage capacity for protection in garden and green roofs	----	Rolls of 2 m x 20 m	Protection and drain in terraces, landscape inverted roofs, elevated concrete decks with planted areas, and roof gardens.
DRIZORO® GEOTEXTILE Non-woven geotextile fabric made of polypropylene fibbers bonded by needle punching and later heat-bonded	----	Rolls	Mechanical protection of synthetic membranes against perforations and wear. Filtration and retention of fine-grained particles by flowing water. Drainage and conduction of liquids and gases: water and air evacuation.



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