

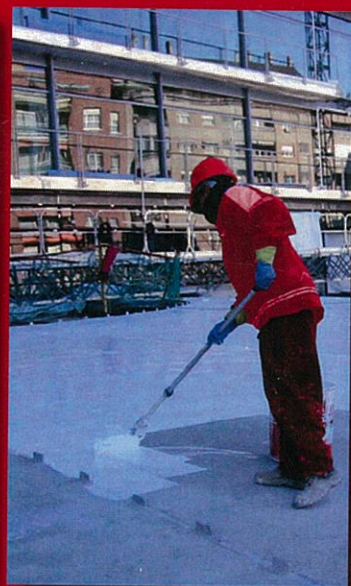
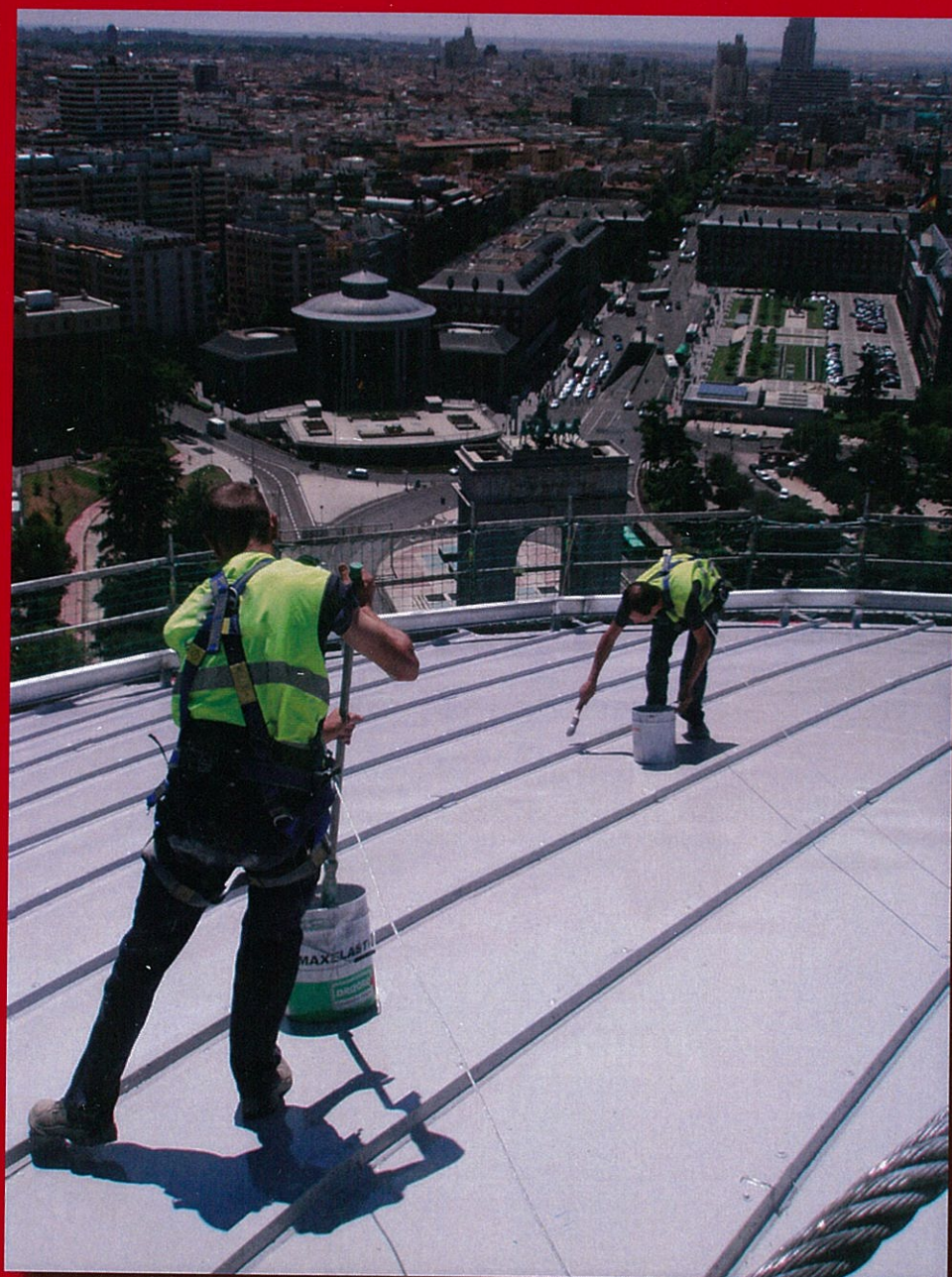
DRIZORO

Construction Products

PRODUCTS AND SYSTEMS

Waterproofing of Roofs

MAXELASTIC® PUR SYSTEM - MAXELASTIC® TRANS SYSTEM



**Waterproof Coating by Elastic Polyurethane-based
Continuous Liquid Membrane**

DRIZORO, S.A.U.

DRIZORO S.A.U. is a Spanish company with more than thirty years of experience in the chemical industry for construction. DRIZORO S.A.U. belongs to the corporate group DRIZORO HOLDING, business structure which allows organizing its different national and international enterprise management units within the construction products sector.

Obtain optimal product, tailored to actual need, makes our business vocation constantly working to overcome the challenges of a globalized and highly competitive industry.

The commitment of improving constantly products and internal procedures, incorporating the newest technologies, lead us to follow a clear and direct address, stimulating all company personnel, facing the present and future with enthusiasm and professionalism.

Our strong commitment with quality and environment policies, drive us to implant a integrated quality management and environment system, based on ISO standards **ISO 9001:2008** and **ISO 14001:2004**.

The certification of both standards, issued by **Bureau Veritas Quality International** on November 27th 2003, reflects our ongoing commitment for search and development of new systems and products, to provide market solutions of high quality and newest technology, friendly with environment, supported by the other hand, for a proven and tested experience under more adverse conditions throughout the entire world geography.



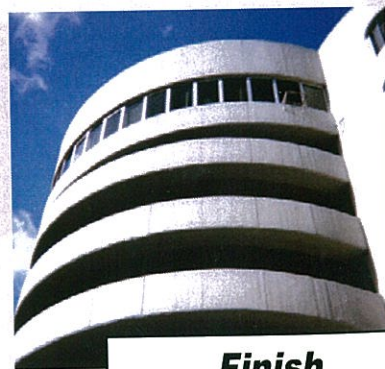
Technical Solutions DRIZORO



Waterproofing



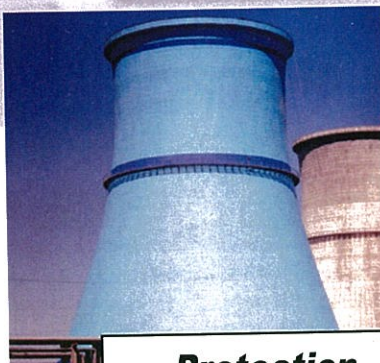
Strengthening



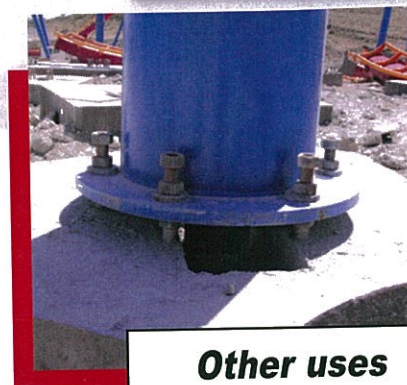
Finish



Repair

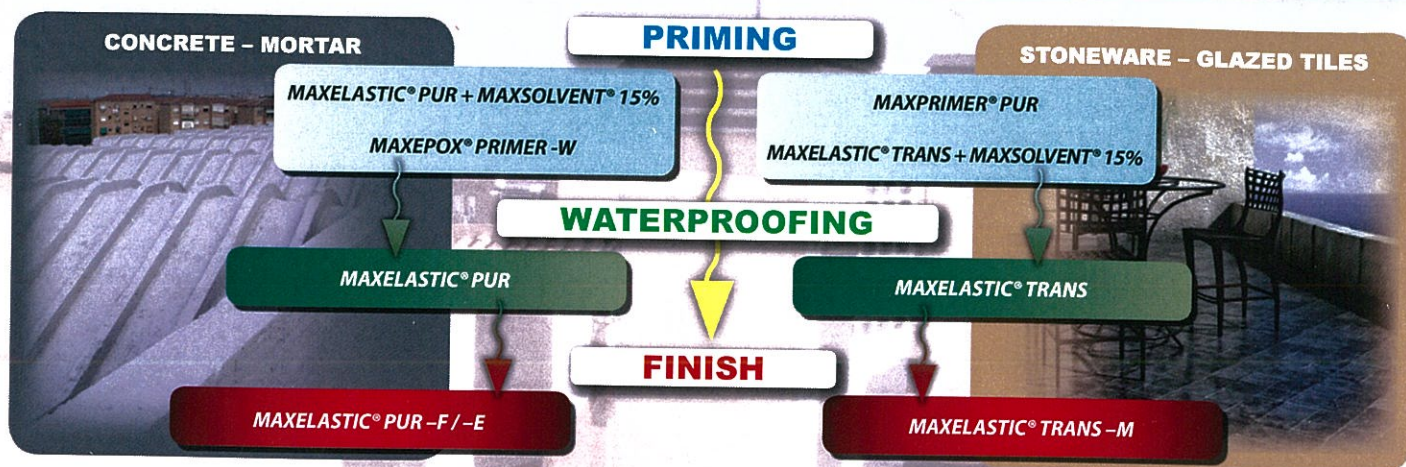


Protection



Other uses

DRIZORO System Description



The current market for waterproofing demands with greater intensity continuous waterproofing systems using in-situ applied liquid membranes. These elastic polyurethane-based liquid membranes allow a great adaptability to site conditions.

MAXELASTIC® PUR system, based on high-quality, colored aromatic polyurethane resins, is composed of different products used sequentially, and allows the waterproofing and protection of all types of roofs.

This system has **EC Marking** according to **European**

Technical Approval DITE-06/0073, based on the Guideline for European Technical Approval of "Liquid Applied Roofing Systems", **ETAG 005**, Part 1 "General" and Part 6 "Specific stipulations for kits based on polyurethane".

MAXELASTIC® TRANS system, based on high-quality, transparent aliphatic polyurethane resins, allows the waterproofing of terraces and roofs maintaining the aesthetics of the surface provided by tiles.

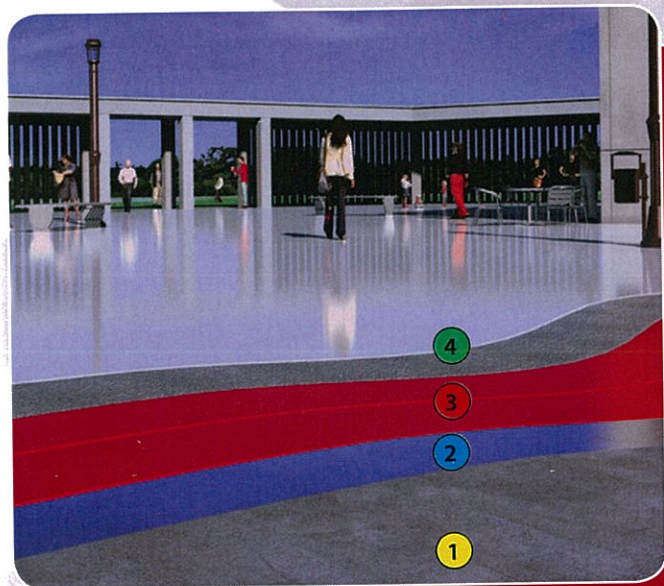
This system has **EC Marking** according to **EN-1504 2** standard.

DRIZORO System Advantages

- ✓ **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.**



Waterproofing System for Roofs by Elast



TRAFFICABLE ROOF (PEDESTRIAN)

4.- FINISH

MAXELASTIC® PUR -E, two coats, total consumption: 0,5 kg/m².
Concrete slabs, tiled surfaces, etc.

3.- WATERPROOFING

Standar: **MAXELASTIC® PUR**, two coats, total consumption: 1,6 kg/m².
ETAG 005: **MAXELASTIC® PUR** two coats, total consumption: 2,6 kg/m².

2.- PRIMING

Dry substrate: **MAXELASTIC® PUR + MAXSOLVENT® 15%**, consumption: 0,8 kg/m².
Wet substrate or with high R.H.: **MAXEPOX® PRIMER -W**, consumption: 0,35 kg/m².

1.- SUBSTRATE

Concrete, mortar, porous tile.



TERRACES AND BALCONIES

4.- FINISH

MAXELASTIC® TRANS -M, total consumption: 0,25 kg/m².

3.- WATERPROOFING

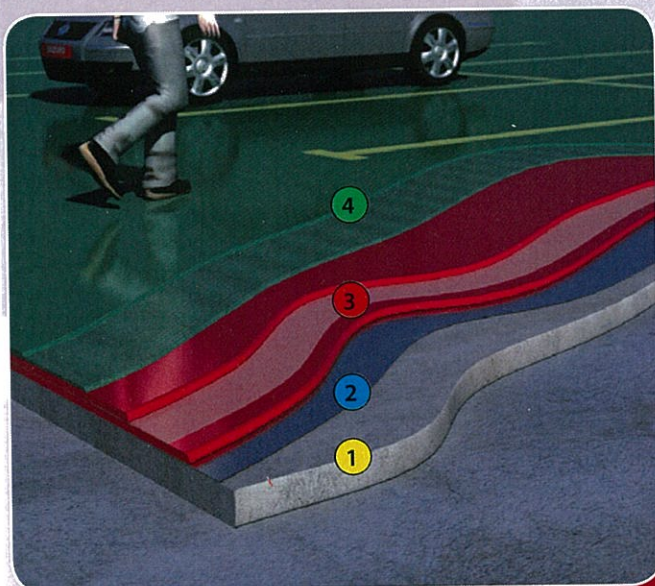
Standar: **MAXELASTIC® TRANS**, two coats, total consumption: 1,2 kg/m².

2.- PRIMING

MAXPRIMER® PUR, consumption: 0,15 kg/m².
Porous tile: **MAXELASTIC® TRANS + MAXSOLVENT® 15%**, consumption: 0,6 kg/m².

1.- SUBSTRATE

Porous tile.
Stoneware, glazed tiles.



TRAFFICABLE ROOF (WHEELED)

4.- FINISH

MAXELASTIC® PUR -F, two coats, total consumption: 0,4 - 0,5 kg/m².

3.- WATERPROOFING

ETAG 005: **MAXELASTIC® PUR** reinforced with veil, two coats,
total consumption: 2,6 kg/m².

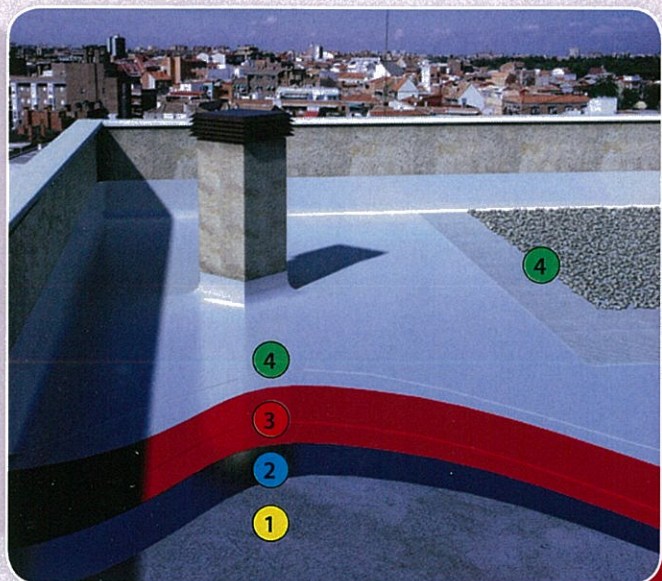
2.- PRIMING

Dry substrate: **MAXELASTIC® PUR + MAXSOLVENT® 15%**, consumption: 0,8 kg/m².
Wet substrate or with high R.H.: **MAXEPOX® PRIMER -W**, consumption: 0,35 kg/m².

1.- SUBSTRATE

Concrete or mortar.

atic Polyurethane-based Liquid Membrane



NON-TRAFFICABLE ROOF (OCCASIONAL USE)

4.- FINISH

MAXELASTIC® PUR -E, total consumption: 0,25 kg/m².
Geotextile + gravels.

3.- WATERPROOFING

Standar: **MAXELASTIC® PUR**, two coats, total consumption: 1,6 kg/m².
ETAG 005: **MAXELASTIC® PUR**, two coats, total consumption: 2,6 kg/m².

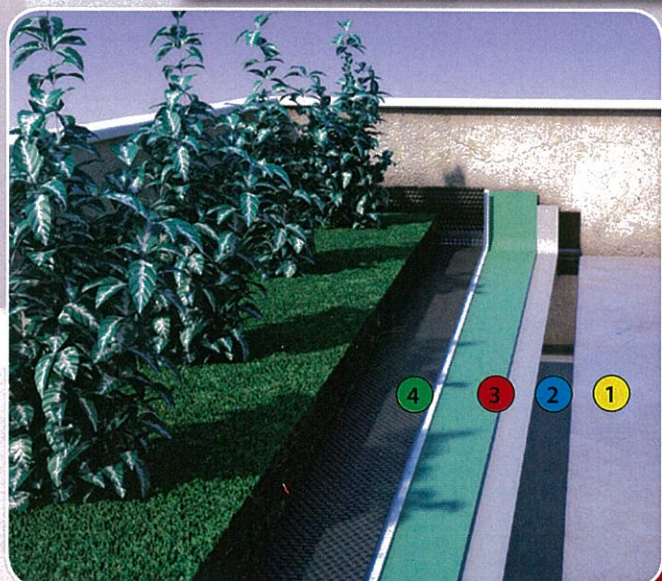
2.- PRIMING

Dry substrate: **MAXELASTIC® PUR + MAXSOLVENT® 15%**, consumption: 0,8 kg/m².
Wet substrate or with high R.H.: **MAXEPOX® PRIMER -W**, consumption: 0,35 kg/m².
Stoneware, glazed tile: **MAXPRIMER® PUR**, consumption: 0,15 kg/m².

1.- SUBSTRATE

Concrete, mortar, porous tile.
Stoneware, glazed tile.

TYPE	SUBSTRATE	PRIMING	WATERPROOFING	FINISH
TRAFFICABLE ROOF PEDESTRIAN	Concrete or mortar Porous tiles	Dry substrate MAXELASTIC® PUR + MAXSOLVENT 15%	MAXELASTIC® PUR	MAXELASTIC® PUR -E
		Wet substrate / high R.H. MAXEPOX® PRIMER -W		Concrete slab
				Tiled floor
				Non-bonded tiling
BALCONIES AND TERRACES	Porous tiles	MAXPRIMER® PUR	MAXELASTIC® TRANS	MAXELASTIC® TRANS -M
	Glazed tile	MAXELASTIC® TRANS + MAXSOLVENT 15%		
	Stoneware	MAXPRIMER® PUR		
TRAFFICABLE ROOF WHEELED	Concrete or mortar	Dry substrate MAXELASTIC® PUR + MAXSOLVENT 15%	MAXELASTIC® PUR reinforced with veil DRIZORO VEIL	MAXELASTIC® PUR -F
		Wet substrate / high R.H. MAXEPOX® PRIMER -W		Concrete slab
				Tile
NON-TRAFFICABLE ROOF	Concrete or mortar	Dry substrate MAXELASTIC® PUR + MAXSOLVENT 15%	MAXELASTIC® PUR	Gravels
	Non porous tiles	Wet substrate / high R.H. MAXEPOX® PRIMER -W		MAXELASTIC® PUR -E
	Stoneware – Glazed tile	MAXPRIMER® PUR		
GREEN ROOF	Concrete or mortar	Dry substrate MAXELASTIC® PUR + MAXSOLVENT 15%	MAXELASTIC® PUR	MAXDRAIN® P8 -GW
		Wet substrate / high R.H. MAXEPOX® PRIMER -W		



GREEN ROOF

4.- FINISH

MAXDRAIN P8 -GW

3.- WATERPROOFING

Standar: **MAXELASTIC® PUR**, two coats, total consumption: 1,6 kg/m².
ETAG 005: **MAXELASTIC® PUR**, two coats, total consumption: 2,6 kg/m².

2.- PRIMING

Dry substrate: **MAXELASTIC® PUR + MAXSOLVENT® 15%**, consumption: 0,8 kg/m².
Wet substrate or with high R.H.: **MAXEPOX® PRIMER -W**, consumption: 0,35 kg/m².

1.- SUBSTRATE

Concrete, mortar, porous tile.

Application Details

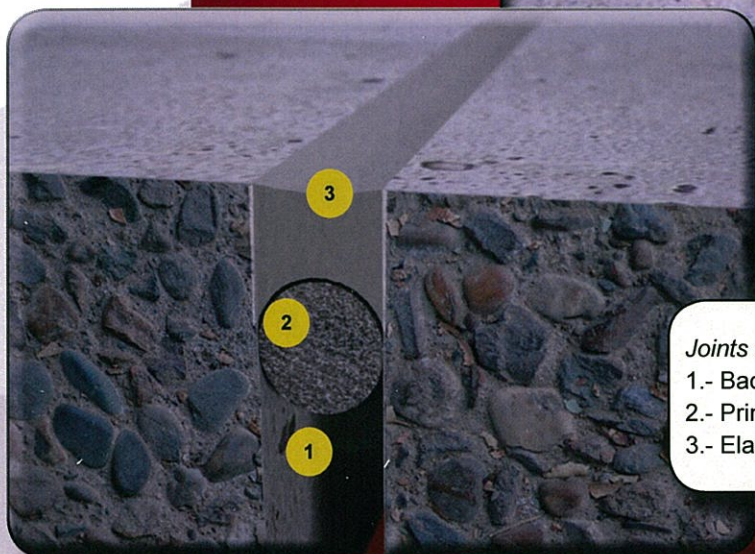
Fissures and cracks:

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



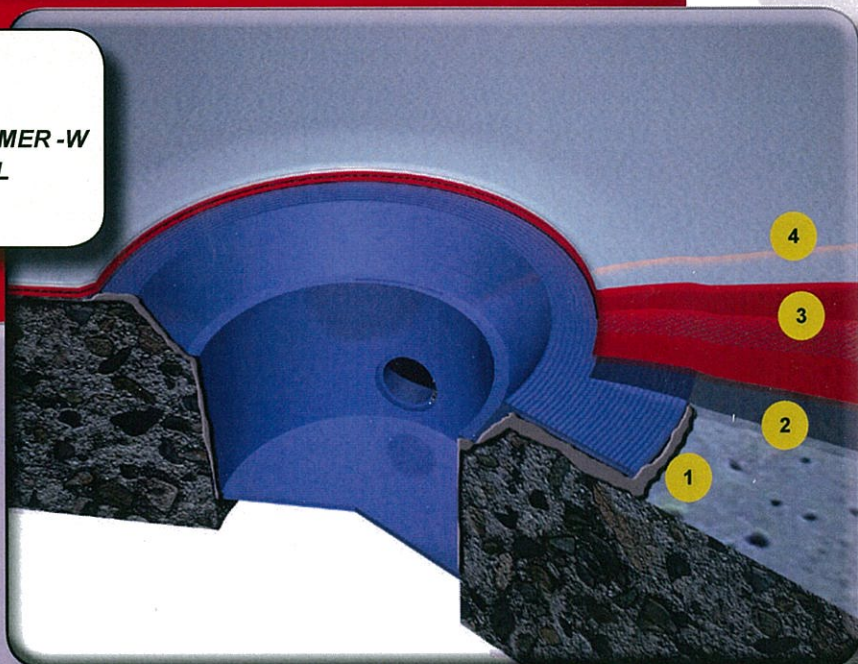
Joints subject to movements:

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



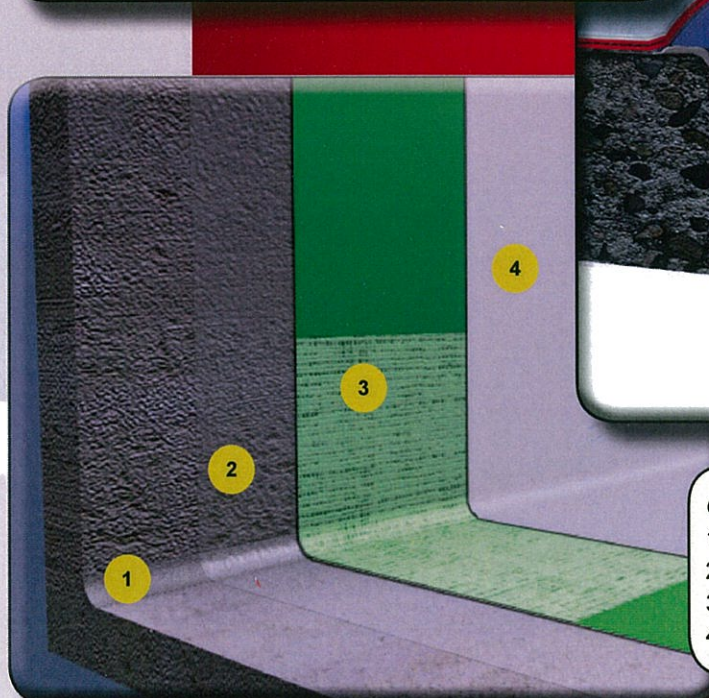
Sinks and drains:

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



Corners:

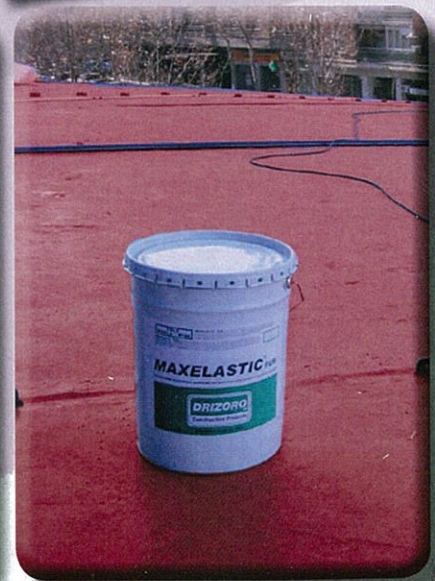
- 1.- Concave corners: **MAXREST®**
- 2.- Primer: **MAXEPOX® PRIMER / MAXEPOX® PRIMER -W**
- 3.- 1st coat: **MAXELASTIC® PUR + DRIZORO® VEIL**
- 4.- 2nd coat: **MAXELASTIC® PUR**



Tests and Certificates



DRIZORO, S.A.U. makes available to its customers a series of laboratory test reports carried out by leading independent laboratories to support the **MAXELASTIC® PUR** and **MAXELASTIC® TRANS**, warranty. These tests check the waterproofing properties, suitability for contact with drinking water, elasticity, abrasion resistance, EC marking, etc...



Complementary Products

DESCRIPTION	CONSUMPTION	PACKAGING	APPLICATION FIELDS
PRIMING			
MAXPRIMER® PUR Primer for polyurethane-based coatings on non-porous surfaces	0,10 - 0,15 l/m ²	Metal drums of 1 and 5 l	Priming for DRIZORO polyurethane-based coating range, such as MAXURETHANE® -/TOP/ 2C , MAXELASTIC® TRANS , MAXELASTIC® TRANS-M , etc., on substrates with low or no porosity.
MAXSOLVENT® Special solvent and thinner for polyurethane-based products and other DRIZORO® products	---	Metal drums of 5 and 25 l	Diluting of solvent-based waterproof coatings such as MAXELASTIC® PUR or MAXELASTIC® TRANS , or polyurethane-based decorative and protective coating such as MAXURETHANE® -/DECOR/TOP range for priming on porous surfaces. Thinning of solvent-based coating for spraying applications. General cleaning up of tools, mixing equipment and spraying means.
MAXEPOX® PRIMER -W Water-based epoxy coating for finishing and painting of pavements and surfaces in general.	0,20 - 0,30 kg/m ² per coat	Pre-weighed two-component sets of 10 kg and 20 kg	Priming for solvent-free epoxy-based or polyurethane-based systems
MAXELASTIC® PUR Polyurethane elastomeric membrane for waterproofing of roofs and outdoor areas	0,60 - 0,90 kg/m ² per coat	25 kg drums	Elastic waterproofing for all types of roofs, terraces and balconies. Waterproofing and protection of water tanks, reservoirs, digesters, etc. Bridging, sealing and filling of hairline cracks and outstanding points subjected to movements. Waterproofing prior to tile in indoor or outdoor applications, such as balconies, kitchens, bathrooms, terraces, etc.
MAXELASTIC® TRANS Transparent polyurethane elastomeric membrane for waterproofing of roofs and outdoor areas.	0,50 - 0,60 kg/m ² per coat	Metal drums of 5 and 25 kg	Transparent and elastic waterproofing for all types of roofs, terraces and balconies subject to pedestrian traffic. Waterproofing and protection of transparent covers and roofs made of glass, plastic or polycarbonate. Coating and protection against weathering for bricks, ceramic tile and stone masonry in outdoor areas.
FINISH			
MAXELASTIC® PUR -E Polyurethane coating for protection of MAXELASTIC® PUR and outdoor areas.	0,20 - 0,25 kg/m ² per coat	Metal drums of 20 kg	Protection against UV radiation and abrasion for MAXELASTIC® PUR at outdoor areas and trafficable roof pedestrian. Waterproofing and protection of concrete at outdoor applications
MAXELASTIC® PUR -F Polyurethane coating for protection of MAXELASTIC® PUR and outdoor areas.	0,20 - 0,25 kg/m ² per coat	Bidones de 10 y 20 kg	Protection against UV radiation and abrasion for MAXELASTIC® PUR at outdoor areas. Protection of MAXELASTIC® PUR and other waterproofing systems subject to wearing process or car traffic: public parkings, access ramps, warehouses, etc.
MAXELASTIC® TRANS -M Transparent and matt topcoat for surfaces waterproofed with MAXELASTIC® TRANS .	0,25 l/m ²	Metal drums of 1 l	Transparent and matt decorative topcoat on epoxy or polyurethane-based flooring systems.
PROTECTION			
MAXDRAIN® P8 - GW Drainage membrane with geo-textile filter fabric for the protection of foundations, walls and slabs.	---	Rolls of 2,1 m x 20 m	Protection and drainage of foundations and retaining walls. Drainage system for podiums, plaza decks, courtyards, basement roofs or green roofs, landscaped inverted roofs and elevated concrete decks with planted areas. Protection of waterproof coating in foundations. Drainage and protection of galleries and tunnels. Ventilation of retaining and interior walls.
CATALYST OF THE SYSTEM			
MAXELASTIC® PUR CAT Accelerator catalyst to speed up the drying time of MAXELASTIC® PUR .	1 kg per each 25 kg of MAXELASTIC® PUR	Metal drums of 1 kg	All kind of waterproofing works made with MAXELASTIC® PUR .
REPAIR MORTAR			
MAXREST® One-component structural repair mortar, made of special cements, additives and selected aggregates, which provides a thixotropic product with quick-setting that does not shrink.	1,7 kg/m ² per mm thickness	25 kg drum and bag, and 5 kg can	For general repair and restoration work on structural concrete. Repairs honeycombs, cracks and fissures. Patching and protective covering of superficial reinforcing rods affected by corrosion. To repair lintels, raincaps, water tanks and to restore architectural concrete permanently exposed to climatic conditions.
MAXRITE® -F Fiber-reinforced, microsilica and polymer-modified structural repair mortar.	1,9 kg/m ² per mm thickness	25 kg bags	General structural concrete repair, on vertical or overhead surfaces, without form works. Repairing of lines and shapes in pre-fabricated concrete elements and structures damaged by mechanical impacts, corrosion of reinforcements, freeze cycles, etc.
SEALANT			
MAXFLEX® 100 W High-performance, modified-polyurethane sealant for permanent immersion joints and contact with potable water.	100 ml/m per joints of 10x10 mm	290 ml cartridges and 600 ml bag.	Sealing of joints and cracks in contact with potable water in storage tanks, channels, water treatment plants, etc. Expansion joints in different construction elements, pre-cast concrete, mortars, brickworks, etc. Sealing of joints in facades, curtain walls, windows and door outside frames, etc. Joints in contact with chemicals in storage bunds, chemical tanks, sewage treatment plants, etc.



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ISO 9001
ISO 14001

BUREAU VERITAS
Certification

ES045396-1/ES045397-1

