revestech®

OUTDRAIN LEVEL 20
TECHNICAL DATA SHEET

Product

Terraces and balconies drain for installation under ceramic tiles, with horizontal outlet of 50 mm. With a flow rate of 0.68 l/s. 20×20 cm drain with square base in high performance polyurethane. It incorporates a 50 x 50 cm waterproofing membrane **ECODRY50** heat-sealed around its perimeter. Includes cleaning key to lift the ceramic piece.

Description

Drain for evacuating water in terraces and balconies, includes **ECODRY50** waterproofing membrane flange around the entire perimeter to guarantee 100% watertightness.

Designed for installation at the same level as the finished floor providing an excellent water drainage without interrupting the visual continuity of the tiling. It receives water from four slopes and drains it through the gaps between tiles.

The tiles must have the following characteristics:

- Minimum breaking strength: 1100 N (tested according to ISO 10545–4).
- Minimum thickness: 7.5 mm.

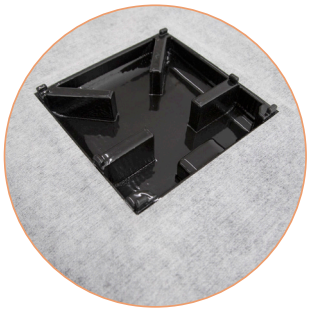
Versatility:

Adapts to all types of constructions and balcony projects. Can be installed with all kinds of finished, preferably ceramic tiles.

Cleaning and maintenance:

The Level terrace drain not only features a hygienic antibacterial and fungicidal treatment but also incorporates an easy-to-remove ceramic cover with a special cleaning key to provide convenient access to inside the drain.

According to the Spanish Technical Building Code, general maintenance and cleaning must be carried out every 6 months.



Ventajas

INVISIBLE

ELEGANT

WATERPROOF

VERSATILE

COATED WITH A HYGIENIC

ANTIBACTERIAL AND FUNGICIDAL

TREATMENT
COMPLETELY WATERTIGHT

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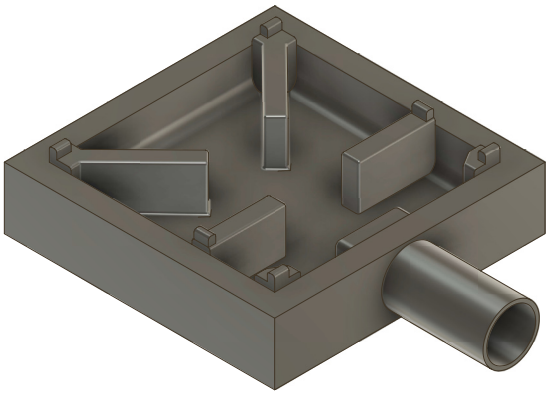
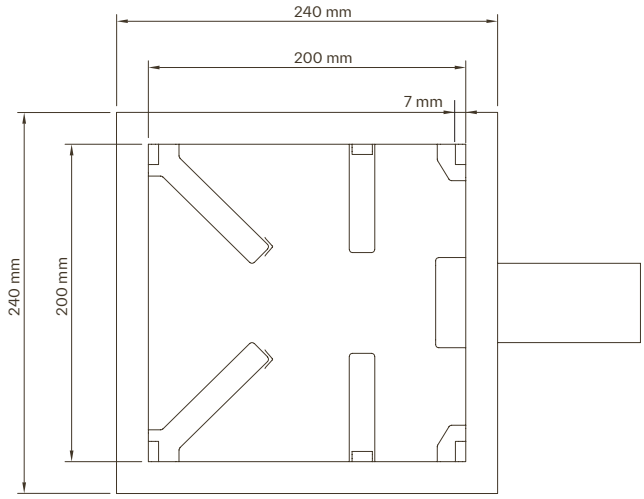
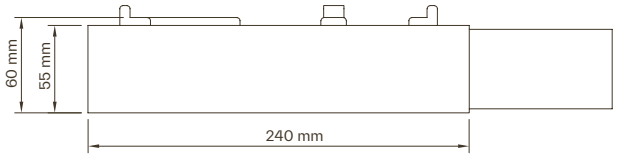
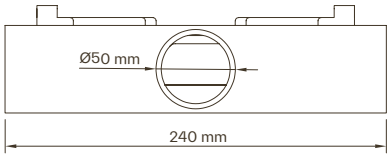
Component: LEVEL TERRACE DRAIN

- Materials: high-performance polyurethane.
- Water intake area: 200×200×55 mm
- Horizontal outlet tube: Ø 50 mm.
- Flow rate: 0.68 L/s.









DRAIN FEATURES	Standard	Unit	Value
FILLING MATERIAL: Fire Classification	EN 13501–1		E
SHOWER TRAY COVERING: Flammability test	DIN 4102–98 part 1		B2
Compressive strength without covering	EN 826	kPa	2000
E-Modulus	EN 826	kPa	55000
Tensile strength	EN 1607	kPa	1500
E-Modulus	EN 1607	kPa	40000
Transverse tensile strength	EN 12089	kPa	2500
Shear module	EN 12090	kPa	600
Thermal conductivity 10°C	EN 12667	W/mK	0,030*
Usage limit temperatures		°C	-70 +130
Cleaning capacity	EN 14527		Class 1
Durability	EN 14527		Class 1

*Thermal conductivity values have been defined with EN 12667 in 6 weeks at 10°C average temperature.

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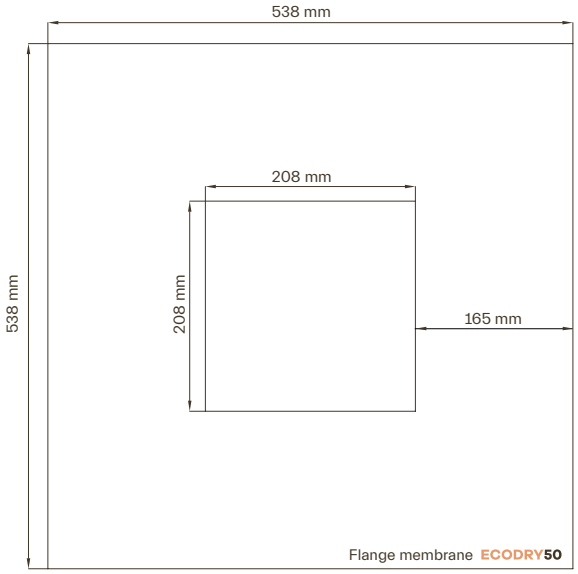
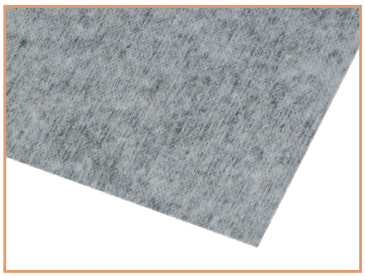
Component: ECODRY50 PERIMETER MEMBRANE

Environmentally responsible membrane sealed around the drain's perimeter for the treatment and waterproofing of terraces and balconies. Made from a high-performance thermoplastic polyolefin membrane CPE (EVA-based circular polymer) that is produced by transforming and treating raw materials obtained from the circular economy which are then extruded over polyester fibres.





CE
1170/014-DdP-2022/09/09
EN 13956:2012

EPD®
UNE-EN ISO 1425:2010, UNE-EN 15804:
EN 15804:2012 + A2:2019 and PCR 2019:14
Register number S-P-07301

ECODRY50 MEMBRANE FEATURES	Test Method	Unit	Tolerance	Value
Length	EN 1848–2	cm	MDV: -0 % and +5 %	50
Width	EN 1848–2	cm	MDV: -0,5 % and + 1 %	50
Weight	EN 1849–2	g/m^2	MDV: -5 % and + 10 %	335
Thickness	EN 1849–2	mm	MDV: -5 % and + 10 %	0,52
Straightness	EN 1848–2	mm	MLV g ≤ 50	50
Flatness	EN 1848–2	mm	MLV p ≤ 10	10
Visible defects	EN 1850–2			PASS
Dimensional stability	EN 1107–02	%	MLV L ≤ -0,2 MLV T ≤ -0,7	L = -0,2 T = -0,7
Dimensional stability at high temperature	ASTM D1204–2014	%	<0,7	70° C L=0,028 T=0,024 -26°C L=-0,029 T=0,018

MLV: Manufacturer's Limiting Value. MDV: Manufacturer's Declared Value.

responsible waterproofing

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TECHNICAL DATA ECODRY50 MEMBRANE	Test Method	Unit	Tolerance	Value
Water tightness	EN 1928 Mét. B			PASS
	ASTM D4068–2017			TOTALLY WATERTIGHT
Elongation	EN 12311–2 Mét. A	%	MLV L ≥ 25 MLV T ≥ 200	L = 25 T = 200
Impact resistance	EN 12691	mm	MLV T ≥ 200	200
Static load resistance	EN 12730 Mét. B	Kg	MLV ≥ 20	20
Pliability at low temperature	EN 495–5	°C	MLV ≥ 40	-40
Reaction to fire	EN 13501–1	Euroclases		E
Overlap resistance	EN 12317–2	N/50 mm	MLV ≥ 600	600
	ASTM D751–2006	lbs./2"	16 (minimum required)	49,16
Tensile strength	EN 12311–2 Met. A	N/50 mm	MLV L ≥ 450 MLV T ≥ 150	L = 450 T = 150
	ASTM D751–2006	PSI	170 (minimum required)	L=3847.9 T=1215.5
Crack bridging capability	UNE EN 1062–7 Met. C	mm		1,5
Alkali resistance	UNE EN 1847			Category 1*
Resistance to fungi and micro-organisms	ANSI A118.10–2014			COMPLIANCE
Effects of chemicals	EN 1847	Values do not change after 28 days in saturated calcium hydroxide solution at 23 °C		

after 4 weeks at 80 °C the tensile properties do not change by more than 20% compared to the unaged onesTHIS PRODUCT DOES NOT CONTAIN DANGEROUS SUBSTANCES

WATER VAPOUR PROPERTIES	Test Method	Unit	Tolerance	Value
Water vapour transmission	ASTM E96–2016	g/24 hr.m2		8,07
Resistencia a la difusión de vapor de agua		m2.h.Pa/mg	> 2,7 m2 •h•Pa/mg	9,75
Water vapour permeability		ng/Pa*s*m2		67,35
Permanence		grains per hr.in.Hg.ft2		1,18

VAPOUR BARRIER COMPLIANCE WITH CTE REQUIREMENT DB HS1

OTHER CHARACTERISTICS	Test Method	Unit	Tolerance	Value
Water resistance of overlap cementitious adhesive C2	Water column	1 m / 24 h		WATERTIGHT
Adhesion after 20 days of water immersion of C2 cementitious adhesive on the membrane: TENSION	MPa			≤ 0,5
Adhesion after 20 days of water immersion of C2 cementitious adhesive on the membrane: TENSION	MPa			≤ 0,5
Adhesion of adhesive cementitous C2 on the membrane sheet: SHEAR STRESS	ASTM C482–2002	PSI	>50	132,4
Impact strenght with ceramic coating	Methodology CSTB	Number of shocks		4

Storage

Store in original unopened packing, protect from moisture, in place properly ventilated at a maximum temperature of 30°C.
Protect from direct sunlight.