

LINEAR LEVEL

TECHNICAL DATA SHEET

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Product

Hidden rectangular base with a horizontal siphon drain convertible to non-siphon, is provided with **DRY50** membrane, heat sealed on the eaves throughout the perimeter. For showers with 1, 2 and 4 slopes.

Description

Hidden drain under ceramic piece **LINEAR LEVEL**. Receives water from one, two or four slopes, and drains it through the perimeter joints of the ceramic piece, until reaching base level and the drain hole. The characteristics are identical to the level invisible shower tray, except it is smaller in size and framed in a sloped shower. A new concept of invisible drain, convenient to use and with a stylish feel.

LEVEL Drain	Testing method	Unit	Value
Outlet		mm	Horizontal 40
Outlet diameter		mm	40
Flow rate	Flow according to Standard UNE-EN 274	l/s	0,58
Composition	Polipropileno		

LEVEL Base	Unit	Value
FILLING MATERIAL: Fire classification		E
SHOWER FLOOR TILING: Fire flammability testing		B2
Compressive strength WITHOUT tiling	kPa	2000
E-Modulus	kPa	55000
Tensile strength	kPa	1500
E-Modulus	kPa	40000
Transverse tensile strength	kPa	2500
Shear modulus	kPa	600
Thermal conductivity at 10°C	W/mK	0,030*
Usage limit temperatures	°C	-70 +130

*The thermal conductivity values have been defined with Standard EN 12667 over 6 weeks at an average temperature of 10°C.

Test	Standard	Results
WATER VAPOUR TRANSMISSION (Determination of properties)	UNE-EN 1931:2001	$\mu = 2496$
WATERTIGHTNESS	EOTA TR003	Watertight
RESISTANCE TO MECHANICAL DAMAGE Resistance to dynamic punching shear	EOTA TR 006	No breakage
RESISTANCE TO MECHANICAL DAMAGE (perforation) Resistance to static punching shear	EOTA TR 007	No breakage
RESISTANCE TO FATIGUE	EOTA TR 008	No breakage
RESISTANCE TO THE EFFECTS OF LOW TEMPERATURES (-10°C) Dynamic punching shear	EOTA TR 006	No breakage
MECHANICAL STRENGTH Resistance to heat ageing (200 days at 70°C) - (dynamic punching shear)	EOTA TR 011	No breakage
RESISTANCE TO FATIGUE Resistance to heat ageing (200 days at 70°C)	EOTA TR 011 and EOTA TR 008	No breakage
RESISTANCE TO WATER AGEING Resistance to ageing (punching shear)	EOTA TR 012 and EOTA TR 004	No breakage

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Resistance to chemicals	Exposure for one week at room temperature
Methanol, alcohols	Not recommended
Petrol, diesel	No apparent damage
Toluene, Xylene	No apparent damage
Water at 82°C for 14 days	No apparent damage
10% salt water, 50°C, 14 days	No apparent damage
Sulfuric, hydrochloric and phosphoric acids (<10%)	No apparent damage
Sodium and potassium hydroxides (<10%)	There is apparent damage
Acetic acid <10%	No apparent damage
DMF, acetone, THF	Not recommended

DRY50 Membrane

Features	Test Method	Unit	Tolerance	Value
Water tightness	EN 1928 Meth. B			PASS
Tensile strength	EN 12311-2 Meth. A	N/50 mm	MLV L ≥ 395 MLV T ≥ 130	L=395 T=130
Elongation	EN 12311-2 Meth. A	%	MLV L ≥ 23 MLV T ≥ 190	L=23 T=190
Overlap resistance	EN 12317-2	N/50 mm	MLV ≥ 110	110
Impact resistance	EN 12691	mm		NPD
Static load resistance	EN 12730 Meth. B	Kg	MLV ≥ 20	=20
Pliability at low temperature	EN 495-5	°C	MLV ≥ 40	-40
Reaction to fire	EN 13501-1	Euroclases		F
Weight	EN 1849-2	g/m²	-5% and +10%	335
Thickness	EN 1849-2	mm	-5% and +10%	0,52
Visible defects	EN 1850-2			PASS
Straightness	EN 1848-2	mm	g ≤ 50	g=50
Flatness	EN 1848-2	mm	p ≤ 10	p=10
Dimensional stability	EN 1107-02	%		L=-0,2 T=0
Effects of chemicals	EN 1847	Values do not change after 28 days in saturated calcium hydroxide solution at 23°C		
Resistance to diffusion water vapour	UNE-EN 1931:2001	m²·h·Pa/mg		9,75

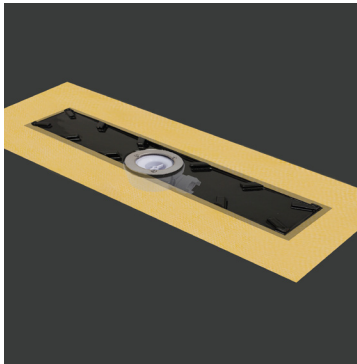
MLV: Manufacturer's Limiting Value.. NPD: No Performance Determined

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CUSTOM-MADE UPON REQUEST



Reference	Description	Base measures	Space for parts
544015552	LINEAR LEVEL 10×60	13,8 x 63,8 cm	10 x 60 cm
544015576	LINEAR LEVEL 10×70	13,8 x 73,8 cm	10 x 70 cm
544015583	LINEAR LEVEL 10×80	13,8 x 83,8 cm	10 x 80 cm
544015910	LINEAR LEVEL 10×90	13,8 x 93,8 cm	10 x 90 cm
544015705	LINEAR LEVEL 20×60	23,8 x 63,8 cm	20 x 60 cm
544015712	LINEAR LEVEL 20×70	23,8 x 73,8 cm	20 x 70 cm
544015590	LINEAR LEVEL 20×80	23,8 x 83,8 cm	20 x 80 cm
544015927	LINEAR LEVEL 20×90	23,8 x 93,8 cm	20 x 90 cm

Includes:

1. **LINEAR LEVEL** base with **DRY50** heat sealed membrane.
2. Level drain
3. **DRY50** membrane 1,5 x 2 m
4. Key for cleaning
5. **REVESTTECHFLEX** Adhesive



Above view linear level base

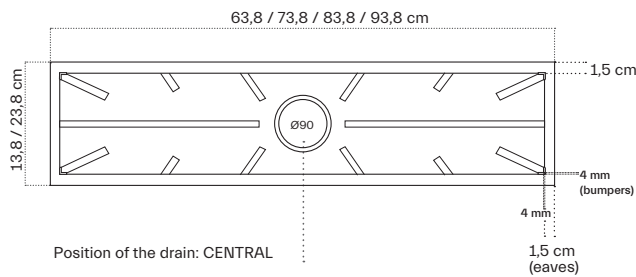
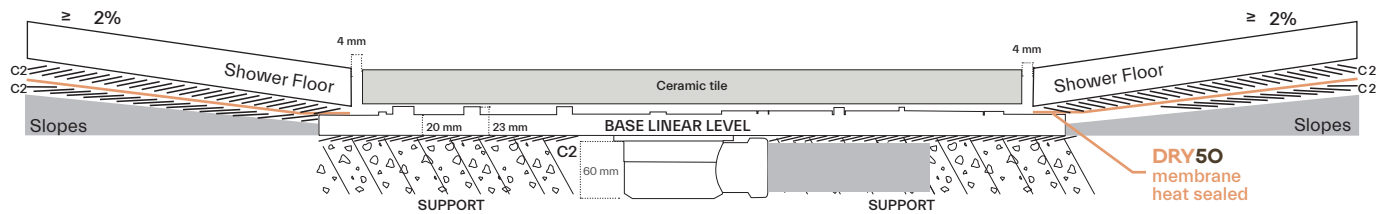


image below

Features dovetail-shaped grooves to improve the anchoring of C2 S1/S2 tile adhesive.



Constructive detail



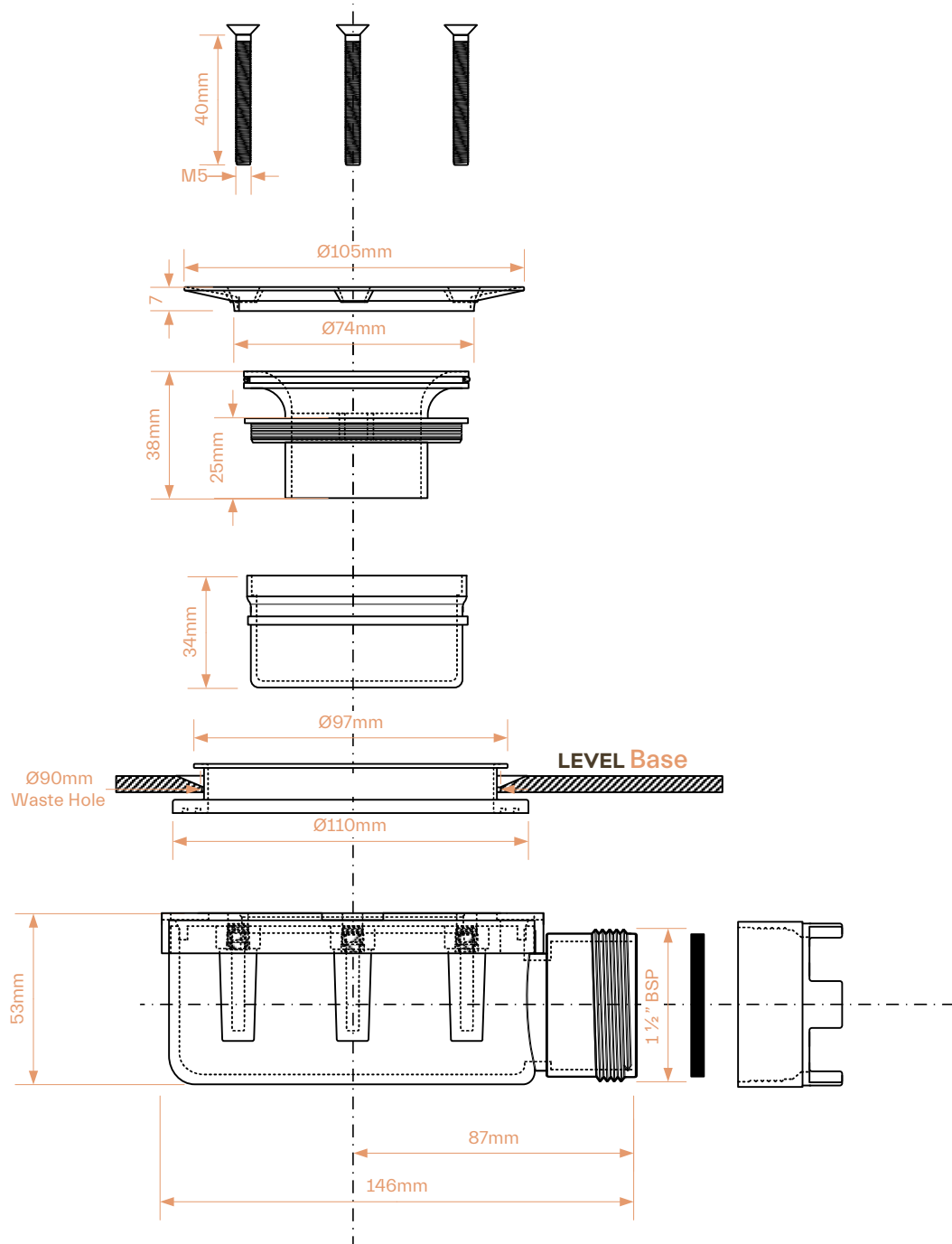
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LEVEL drain



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