

DATA SHEET 2025	UWR SYSTEM Denmark, patent pending		Text	Consumption units
Uwr System Waterproof Patent Pending	UWR no.	No.	7204S-A-Ø	
	Item name	Name	UWR Pipe 302 HL, Black	1
	Materials	Materials	PP Recycled Plastic	*
	Dry weight	kg	20,3	
	Colour	Colour	Black	
Volume	Gross volume	Litres	301,4	
	Net volume	Litres	>263-268	
Measurements	Height	mm	615	
	Width	mm	700	
	Length	mm	700	
	Surface	m2	0,49	
Accessibility	Connections	DN mm	110, 160, 250, 315, 425, 500	
	Coil diameter	mm	500	
	Locking wedges	units	UWR Pin Lock	3
	In stock	Warehouse	v	
Dimensioning – Strength	Gasket 1 in the gasket slot	DN mm	500	1
	Load at 35 cm coverage incl. 7 cm of asphalt/tiles.	Wheel pressure kN/ 0,12 m2	35	
	Load at 35 cm coverage incl. 7 cm asphalt/tiles (axle load)	Axle load in kN	70	
	Load (wheel pressure) at 40 cm coverage incl. 7 cm of asphalt/tiles. (EU maximum wheel pressure 60 kN)	Wheel pressure 0,12 m2	50	
	Load (axle load) at 40 cm coverage incl. 7 cm of asphalt/tiles. EU maximum axle load 115 kN)	Axle load in kN	100	
	Load at 50 cm coverage incl. 7 cm of asphalt/tiles.	Wheel pressure kN/ 0.12 m2	100	
	Load at 50 cm coverage incl. 7 cm of asphalt/tiles.	Axle load in kN	200	
	Deflection at 150 kN/m2 at depth of 0.4 metres	mm	2	
	Deflection at 65 kN 0.2x0.6 m2 at depth of 0.4 metres	mm	4	
	Deflection at 100 kN 0.2x0.6 m2 at depth of 0.4 metres	mm	7	
	Deflection at 100 kN 0.2x0.6 m2 at depth of 0.8 metres	mm	0,7	
Test	Stacking at 40 cm coverage with asphalt stable gravel	meter	1,845-(2,46)	*
	Flush pressure	Bar	130	
	Pressure test: Must be verified and approved by consultant prior to commissioning.	Max-bar	0,3	
	Discharge of microplastics at 170 bar	g/m2 per. instance	0,05	
	Oil and chemical resistant	Period 75 years	ok	
	Temperature Test without water	Celsius	- 20 degrees	
	EPD	Report	OK	

* Contact UWR

DATA SHEET 2025	UWR SYSTEM Denmark, patent pending		Text	Consumption units
Uwr System Waterproof Patent Pending	UWR no.	No.	7205S-A-Ø	
	Item name	Name	UWR Pipe 302 HL, Black	1
	Materials	Materials	PP Recycled Plastic	*
	Dry weight	kg	15.52	
	Colour	Colour	Black	
Volume	Gross volume	Litres	301,4	
	Net volume	Litres	>263-300	
Measurements	Height	mm	615	
	Width	mm	700	
	Length	mm	700	
	Surface	m2	0,49	
Accessibility	Connections	DN mm	110, 160, 250, 315, 425, 500	
	Inspection tube	DN mm	315, 425, 500, 600	
	Coil diameter	mm	Ø 500	
	Locking wedges	units	UWR Pin Lock	3
	Covers accessories		UWR Cover Ø500	4-6
	Covers with holes accessories	units	UWR Cover Ø500 w/holes	4-6
	Connecting accessories	units	UWR Connecting Ø500	1-2
	Connecting accessories	units	UWR Connecting Ø500 Closed	1-2
Dimensioning – Strength	Gasket 1 in the gasket slot	DN	500 mm	6
	Load at 35 cm coverage incl. 7 cm of asphalt/tiles.	Wheel pressure kN/ 0.12 m2	40	
	Load at 35 cm coverage incl. 7 cm of asphalt/tiles. (8 tonnes axle load)	Axle load in kN	80	
	Load at 40 cm coverage incl. 7 cm of asphalt/tiles	Wheel pressure kN/ 0.12 m2	65	
	Load at 40 cm coverage incl. 7 cm of asphalt/tiles. (11.5 tonnes axle load)	Axle load in kN	115	
	Load at 50 cm coverage incl. 7 cm of asphalt/tiles.	Wheel pressure kN/ 0.12 m2	100	
	Load at 47 cm coverage incl. 7 cm of asphalt/tiles.	Axle load in kN	200	
	Deflection at 150 kN/m2at depth of 0.4 metres	mm	2	
	Deflection at 65 kN 0.2x0.6 m2 at depth of 0.4 metres	mm	2	
	Deflection at 100 kN 0.2x0.6 m2 at depth of 0.4 metres	mm	13	
	Deflection at 100 kN 0.2x0.6 m2 at depth of 0.8 metres	mm	0.7	
	Stacking at 40 cm coverage with asphalt stable gravel	meter	1,845-(2,46)	
	Test	Flush pressure	Bar	130
Discharge of microplastics at 170 bar		g/m2 per instance	0.05	
Oil and chemical resistant		Period 75 years	ok	
Lifespan		Years	>75	
Temperature Test without water		Celsius	- 20 degrees	
EPD		Report	OK	

* Contact UWR