

Product Guide

# Wavin PVC PRO

Low-Noise Soil & Waste Drainage System

**wavin**  
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15,7dB



**wavin**

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An Orbia business.

Wavin is one of the leading companies in Türkiye's plastic piping sector. We provide a wide range of high-quality pipe and fitting system solutions for both building and infrastructure applications.

With a history spanning more than half a century, our company was established in Adana in 1971. Until 2008, we operated under Sabancı Holding as Pilsa Plastik A.Ş. In that year, we were acquired by Wavin B.V., headquartered in the Netherlands and recognised as Europe's largest company in its field.

In 2012, all Wavin companies became part of the Mexichem group, one of South America's leading petrochemical and raw material producers. In 2019, the group rebranded as Orbia. Today, Orbia operates globally across five business groups: Building & Infrastructure, Fluor, Datacom, Precision Agriculture and Polymer Solutions, delivering professional support and innovative solutions worldwide. Orbia's overarching mission is to advance life around the world.

Following Orbia's renewed business structure in 2019, the Building & Infrastructure business group has been represented globally under a single, strong brand: Wavin. Wavin operates in more than 40 countries across four regions – Europe, Middle East & Africa; Asia-Pacific; Latin America; and North America – with approximately 12,000 employees worldwide.

In Türkiye, Wavin offers not only traditional piping systems such as PPR potable water and PVC soil & waste systems, but also innovative solutions including Tigris press-fit systems, Wavin AS+ and SiTech+ low-noise pipe systems, QuickStream siphonic roof drainage systems, AquaCell infiltration systems, Tegra plastic manholes, underfloor heating systems and Sentio control systems, among many others.

Established within our Adana manufacturing facility in 2014, Wavin Academy is the first training centre of its kind in the sector. Since its inception, tens of thousands of professionals from various levels of the mechanical installation industry have enhanced their expertise through training programmes delivered at Wavin Academy.

With Regional Offices in Adana, Istanbul, Ankara and Izmir, distribution centres in Adana and Istanbul, and an extensive dealer network, Wavin Türkiye ensures fast and reliable service nationwide. In addition to our sales teams, our experienced engineers and technical specialists provide comprehensive project support to our customers.

# Technical Datasheet

Wavin PVC PRO is a low noise and low flammable wastewater system manufactured from mineral-reinforced polyvinyl chloride (PVC-U) for both pipes and fittings. The jointing system is designed as a push-fit socket type with a sealing ring to ensure watertightness and ease of installation. Wavin PVC PRO is suitable for use in residential and commercial buildings where comfort is a priority. With its low noise level, it can be used in both low-rise and high-rise buildings in compliance with fire regulations. The products are designed to meet the requirements of mechanical specifications in the most cost-effective manner, in full compliance with applicable standards.

## Material

Mineral-reinforced polyvinyl chloride (PVC-U)

## Technical Properties

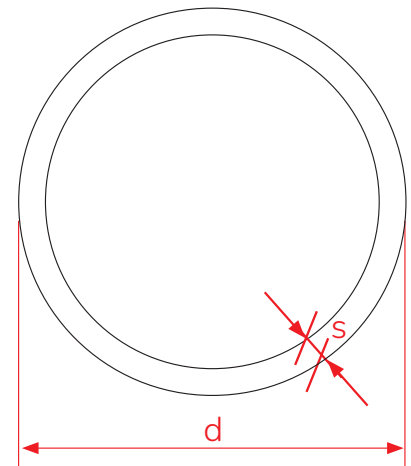
⦿ Pipe and Fitting	Solid Wall (Mono Layer)
⦿ Jointing Method	Push fit socket with sealing ring
⦿ Diameter Range	Ø50-200
⦿ Density	Pipe: 1,8g/cm <sup>3</sup> Fitting: 1,5g/cm <sup>3</sup>
⦿ Compliance Standard	TS EN 1329-1
⦿ Noise Level	EN14366-1:2023 @4L/S DIN4109- 19,2dB(A) VDI4100- 15,7dB(A)
⦿ Fire Class	Low flammable B1- DIN4102 Bs3d0- EN13501
⦿ Operational temperature	Short Term 75°C long term 55°C
⦿ Ring Stiffness	min SN≥4
⦿ Colour	Light Grey RAL9016



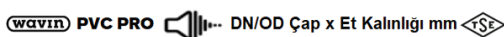
## Pipe Data

Pipes are produced according to TS EN 1329-1 standard.

DN	Outer Dia min. d(mm)	Wall Thickness min. s(mm)	Wall Thickness maks. s(mm)
50	50.0	3.0	3,5
75	75.0	3.0	3,5
110	110	3.2	3,8
125	125	3.2	3,8
160	160	4.0	4.6
200	200	4.9	5.6



## Pipe Marking



GG.AA.YYYY  
099. LHat No SS:DK

TS EN 1329-1  
TS EN 13501-1

DIN EN 14366-1  
B/BD SN 4

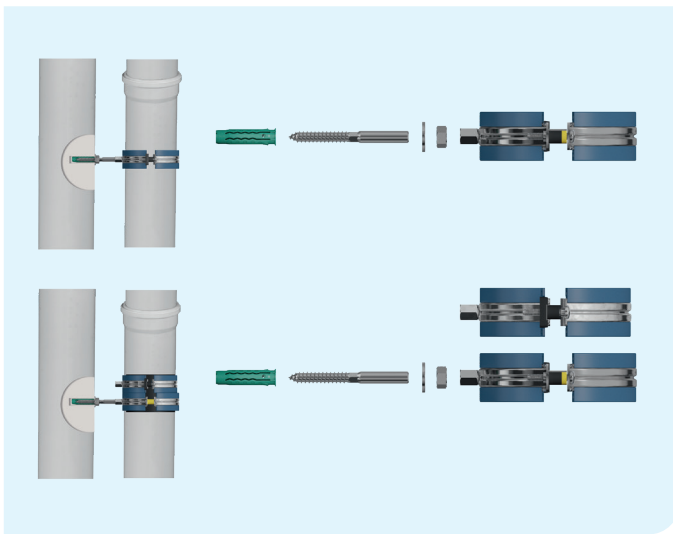


# Acoustics

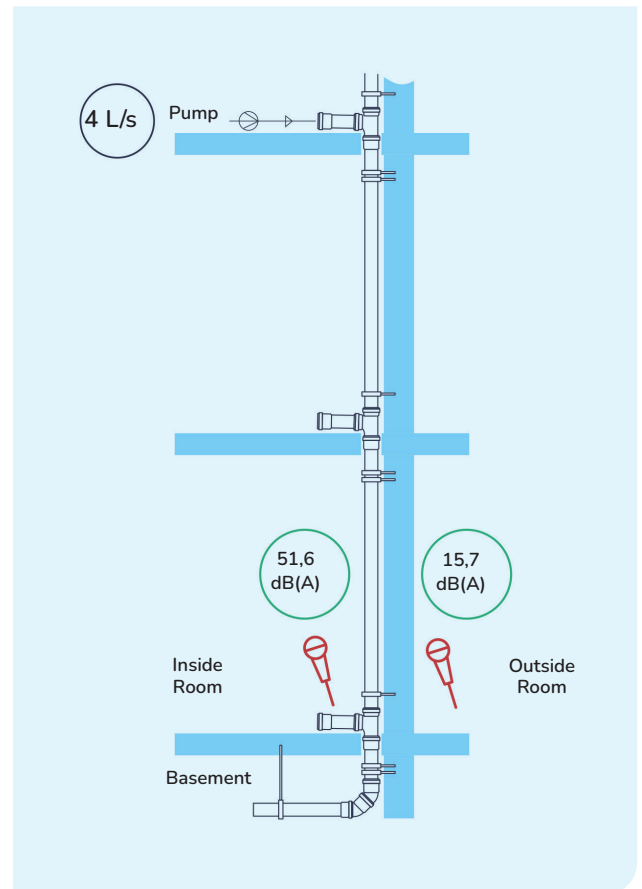
## Wavin Expertise

Noise performance depends on many different variables. As the inventor of the world's first low-noise pipe system, Wavin now brings its expertise to users with Wavin PVC PRO, a low-noise and low flammable wastewater system manufactured entirely from PVC raw material. With its specially formulated pipes and fittings, Wavin PVC PRO meets the requirements of the relevant standards while making acoustic performance more accessible through Wavin's engineering expertise. By introducing Wavin PVC PRO, Wavin strengthens its low-noise product portfolio by adding, for the first time, a silent pipe system made entirely of PVC.

The Wavin PVC PRO low-noise system has been tested in 2023 at the accredited German Fraunhofer Institute, in accordance with the updated EN 14366-1 standard, using Wavin's own pipe clamps.



Wavin low-noise brackets: Single for sliding bracketing and double for fixing.



Wavin PVC PRO (Double Bracket) Fraunhofer Institute Measurements			Low-Noise Measurement Standard: DIN EN 14366:2023			
Corresponding Standards	Noise Level Categories	f(Hz)	Flow Rate: 2 L/s		Flow Rate: 4 L/s	
			source room	receiving room	source room	receiving room
EN12345-5	Airborne	50-5000	54,8		57,8	
	Structure-heavy building	50-3150		13,4		18,9
	Structure-light building	50-2500		20,1		25,3
DIN 4109	normalized installation sound level	50-5000	50,8	14,2	53,8	19,5
	normalized installation sound level	100-5000	50,8	14,1	53,8	19,2
VDI 4100	standardized installation sound level	50-5000	48,5	10,8	51,6	16,0
	standardized installation sound level	100-5000	48,5	10,5	51,6	15,7

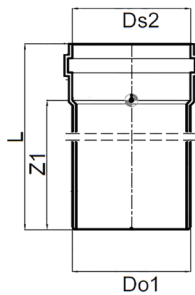
\*All tests done according to DIN EN 14366-1 standard.

\*Heavy building configuration has 18cm concrete floors and separating walls with a surface mass of 220 kg/m<sup>3</sup>. Light weight building configuration has a timber frame structure and the separating wall is similar but with timber studs.

# Wavin PVC PRO Product Range

## Wavin PVC Pro Low-Noise / Low Flammable S&W Pipes

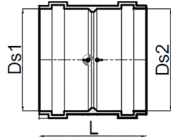
15,7db



### Wavin PVC PRO Pipe - Socketed

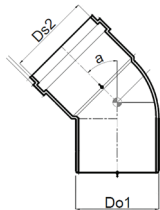
SAP	Dia DN	Do1 (mm)	L (mm)	Ds2 (mm)	Z1 (mm)
3097985	50	50	187	50	150
3098005	50	50	287	50	250
3098026	50	50	537	50	500
3098045	50	50	1037	50	1000
3098060	50	50	2037	50	2000
3098064	50	50	3037	50	3000
3098066	75	75	195	75	150
3098068	75	75	295	75	250
3098069	75	75	545	75	500
3097986	75	75	1045	75	1000
3097987	75	75	2045	75	2000
3097988	75	75	3045	75	3000
3097990	110	110	202	110	150
3097993	110	110	302	110	250
3097995	110	110	552	110	500
3097997	110	110	1052	110	1000
3097999	110	110	2052	110	2000
3098001	110	110	3052	110	3000
3098002	125	125	310	125	250
3098007	125	125	560	125	500
3098009	125	125	1060	125	1000
3098011	125	125	2060	125	2000
3098013	125	125	3060	125	3000
3098015	160	160	315	160	250
3098017	160	160	565	160	500
3098019	160	160	1065	160	1000
3098021	160	160	2065	160	2000
3098022	160	160	3065	160	3000
3098024	200	200	588	200	500
3098028	200	200	1088	200	1000
3098030	200	200	2088	200	2000
3098032	200	200	3088	200	3000

## Wavin PVC Pro Low-Noise / Low Flammable S&W Pipes



### Wavin PVC PRO Double Socket Coupler

SAP	Dia DN	Ds1 (mm)	Ds2 (mm)	L (mm)
4085600	50	50	50	94
4085601	75	75	75	102
3097984	110	110	110	120
4085602	125	125	125	164
4085603	160	160	160	210



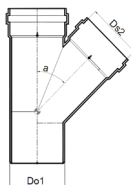
### Wavin PVC PRO Bend 45°

SAP	Dia DN	a	Do1 (mm)	Ds2 (mm)
3098003	50	45°	50	50
3098004	75	45°	75	75
3098008	110	45°	110	110
3098010	125	45°	125	125
3098012	160	45°	160	160
3098014	200	45°	200	200



### Wavin PVC PRO Bend 87°

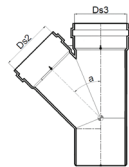
SAP	Dia DN	a	Do1 (mm)	Ds2 (mm)
3098016	50	87°	50	50
3098018	75	87°	75	75
3098020	110	87°	110	110
4085613	125	87°	125	125
3098023	160	87°	160	160
3098025	200	87°	200	200



### Wavin PVC PRO Branch 45°

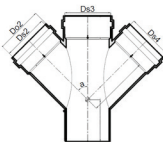
SAP	Dia DN	a	Ds2 (mm)	Ds3 (mm)
3098029	50/50	45°	50	50
3098031	75/50	45°	50	75
3098033	75/75	45°	75	75
3098034	110/50	45°	50	110
3098037	110/75	45°	75	110
3098039	110/110	45°	110	110
4085614	125/50	45°	50	125
4085615	125/75	45°	75	125
4085616	125/110	45°	110	125
4085617	125/125	45°	125	125
4085618	160/110	45°	110	160
4085619	160/125	45°	125	160
4085620	160/160	45°	160	160
4085621	200/110	45°	110	200
4085622	200/200	45°	200	200

## Wavin PVC Pro Low-Noise / Low Flammable S&W Pipes



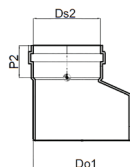
### Wavin PVC PRO Branch 87°

SAP	Dia DN	a	Ds2 (mm)	Ds3 (mm)
3098051	50/50	87°	50	50
3098052	75/50	87°	50	50
4085623	75/75	87°	75	75
4085624	110/50	87°	50	50
4085625	110/75	87°	75	75
3098059	110/110	87°	110	110
4085591	125/110	87°	110	110
4085598	125/125	87°	125	125
4085604	160/110	87°	110	110
4085605	160/160	87°	160	160



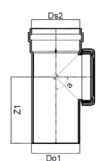
### Wavin PVC PRO Double 45°

SAP	Dia DN	a	Do2 (mm)	Ds2, Ds3, Ds4 (mm)
4085606	110/50	45°	110	56
4085607	110/110	45°	110	110
4085608	125/110	45°	125	110
4085609	160/110	45°	160	110
4085610	160/160	45°	160	160



### Wavin PVC PRO Reducer

SAP	Dia DN	Do1 (mm)	Ds2 (mm)	P2 (mm)
3097980	75/50	75	50	37
3097981	110/50	110	50	37
3097982	110/75	110	75	45
4085592	125/75	125	75	45
3097983	125/110	125	110	52
4085593	160/75	160	75	45
4085594	160/110	160	110	52
4085595	160/125	160	125	60
4085596	200/110	200	110	52
4085597	200/125	200	125	60
4085599	200/160	200	160	65



### Wavin PVC PRO Access Fitting

SAP	Dia DN	Do1 (mm)	Ds2 (mm)	Z1 (mm)
3098000	110	110	110	114
4085611	125	125	125	126
4085612	160	160	160	157

## Wavin PVC Pro Low-Noise / Low Flammable S&W Pipes



### Wavin Low Noise Bracket

SAP	Dia(mm)
4066449	50
4066450	75
4066452	110
4066453	125
4066454	160
4066455	200



### Wavin PVC PRO Sealing Ring

SAP	Dia(mm)
4024426	50
4024427	75
4024429	110
4024430	125
4024431	160
4067636	200



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# Wavin PVC PRO: Expert Engineering. Straight to Silence!



Low-Noise



15,7dB(A) 4L/s acc. to EN14366



Low Flammable - EN13501

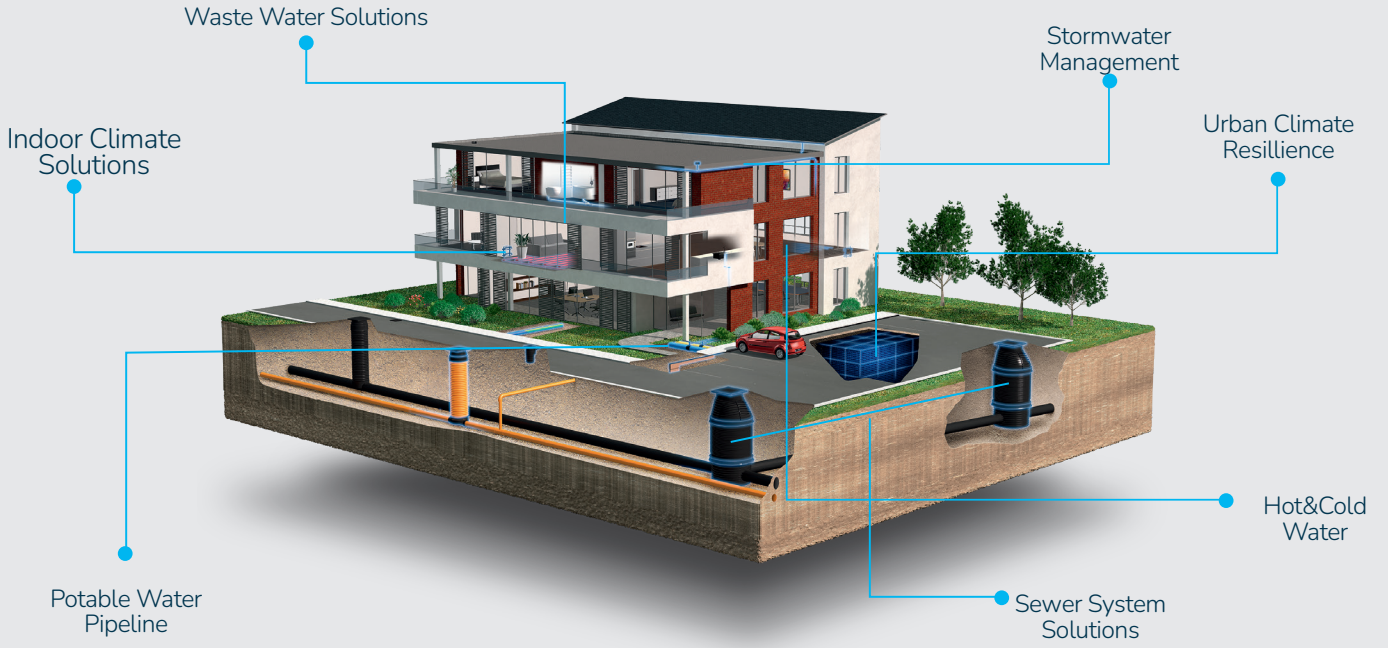


Compliance Standard TS EN 1329-1  
Locally produced









**Hot&Cold Water | Indoor Climate Solutions | Stormwater Management | Waste Water Solutions  
Potable Water Pipeline | Sewer System Solutions**

**wavin**

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Wavin is part of Orbia, a group of companies  
that masters some of the world's greatest challenges.  
United by a common goal:  
To "Advance life around the world."

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