

PRODUCT CATALOG

Multi-Layer Acoustic Mineral-Filled PP Pipes
for Wastewater Drainage (PP - MD - ML)



JINDAL KWIET PRO®

www.jindaltubes.com/kwiet-pro



INSPIRING INNOVATION



Jindal Tubes, a flagship company of the DS Jindal Group, is a trusted and established name in India's plumbing pipe industry, backed by decades of manufacturing expertise and industrial legacy. Built on a foundation of engineering discipline, reliability, and long-term value creation, the company has consistently focused on developing practical, high-performance solutions suited to Indian conditions.

Driven by innovation, Jindal Tubes pioneered the introduction of Multi-Layer Composite (MLC) Pipes in India offering a stronger, safer, and more advanced alternative to conventional piping systems. With multiple state-of-the-art manufacturing units, the company ensures consistent quality, scalable capacity, and dependable supply across the country.

Continuing this journey, Jindal Tubes is expanding into Acoustic PP Drainage Pipes, engineered to deliver superior sound insulation and improved drainage efficiency for modern infrastructure. This expansion reflects the Group's ongoing commitment to simple, durable, and future-ready plumbing solutions, rooted in trust, quality, and Indian manufacturing excellence.

100+

Channel Partners

60+

Years of Legacy

900+

Projects Completed

No.1

INDIA'S LARGEST MANUFACTURER OF MULTI-LAYER PIPES



Andhra Pradesh Unit – Est. 2025

Three times larger and engineered as a future-ready manufacturing facility, our Andhra Pradesh unit supercharges capacity and technology. With advanced MLC lines and India's latest Acoustic PP Pipe systems, it puts Jindal Tubes at the forefront of plumbing innovation and manufacturing excellence.



Dehradun Unit – Est. 2005

Among India's first MLC manufacturing units, our ISO-certified Dehradun facility laid the groundwork for Jindal Tubes' leadership. Powered by European machinery, automated extrusion lines, and a full in-house testing lab, it delivers consistent quality and reliability in every meter.

JINDAL
KWIET PRO DN 110 x 3.4
PP - MD - ML EN1451 FOR DOMESTIC WASTEWATER DISCHARGE B.NO. 17122025AD

KWIET PRO

Precision Engineered for Quiet Flow

Multilayer silent drainage pipes delivering enhanced acoustic comfort, structural strength, and reliable long-term performance.

JINDAL

PIPE STRUCTURE

3-layer PP pipes with mineral-filled acoustic core

PP - MD - ML

Jindal Kwiet Pro is an advanced acoustic drainage system engineered for modern buildings. The pipes feature a multi-layer structure with inner and outer layers of Polypropylene (PP) and a mineral-filled core of Polypropylene (PP-MD), delivering effective noise reduction, high mechanical strength, and long service life. Designed for soil and waste discharge, the system performs reliably at elevated temperatures and offers excellent chemical resistance across a wide pH range. Precision push-fit joints with elastomeric seals ensure fast installation and leak-free performance. Jindal Kwiet Pro is a future-ready alternative to conventional drainage systems.



OUTER LAYER (PP)

The outer Polypropylene (PP) layer delivers a robust, rigid structure with high resistance to impact and damage.

MIDDLE LAYER (PP-MD)

Mineral-filled Polypropylene (PP-MD) offers high mechanical strength and superior sound insulation performance

INNER LAYER (PP)

Polypropylene (PP) ensures smooth flow characteristics and delivers excellent long-term abrasion resistance.





KEY FEATURES



Advanced Noise Cancellation

The high-density, mineral-filled structure reduces noise transmission, delivering strong acoustic performance



High Impact Strength

Designed to withstand handling, transport, and on-site stresses, reducing breakage and damage compared to other systems.



Easy Installation

The push-fit rubber ring joint ensures leak-free connections with fast, simple, tool-free installation for wastewater systems.



Vibration & Shock Resistant

Rigid systems crack under vibration. Push-fit joints add flexibility, creating leak-free, airtight connections that absorb shock and vibration.



Excellent Chemical Resistance

Performs reliably across a wide pH range from pH 2 to pH 12, making it suitable for diverse wastewater and drainage applications.



Excellent Thermal Stability

The three-layer (PP-MD) design reduces thermal expansion and improves stability. Push-fit joints ensure reliability during temperature changes.



Smoother & Better Flow

The smooth, abrasion-resistant inner surface prevents scaling and deposits, maintaining high and consistent flow rates.

Raw Material - Mineral-filled Polypropylene

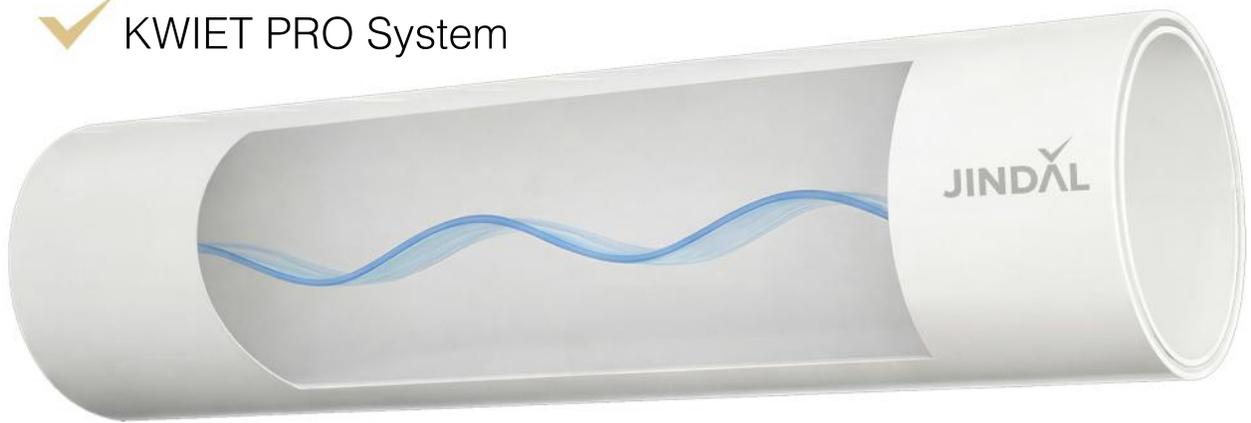
Jindal Kwiet Pro uses an advanced mineral-filled Polypropylene (PP-MD) compound engineered for high density and structural stability. This specialised formulation delivers excellent sound dampening, high ring stiffness, and strong impact resistance, key requirements for modern drainage systems. The material performs reliably under hot water discharge and across a wide range of chemicals. Its smooth, corrosion-free structure resists scaling and deposits, ensuring consistent performance and long service life.



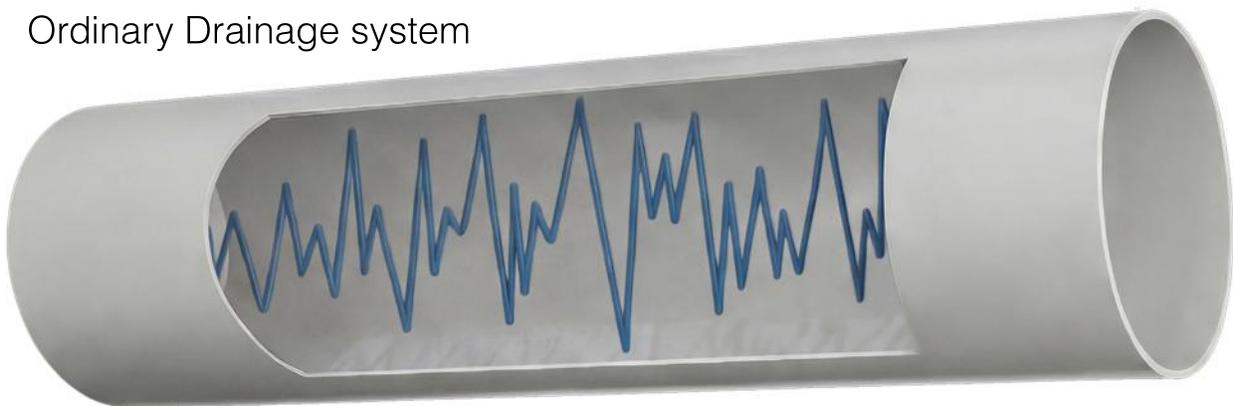
ACOUSTIC PERFORMANCE

Structure-borne sound level (dBA)				
JINDAL KWIET PRO DRAINAGE SYSTEM				
Flow Rate (Ltr/sec)	0.50	1.00	2.00	4.00
Installation Sound Level dB(A)	10	11	16	20

✓ KWIET PRO System



Ordinary Drainage system



Structure-borne noise is the most challenging to control, as sound travels very quickly through solid materials. JINDAL KWIET PRO is engineered using high-density, mineral-reinforced polypropylene that effectively absorbs sound energy within the pipe wall.

Instead of reflecting vibrations back into the building structure, the material dissipates them internally, significantly reducing noise transmission. This controlled damping of sound and vibration delivers a high level of acoustic comfort in drainage applications, even in demanding building environments.

TECHNICAL SPECIFICATION

EN 1451

NOMINAL OD (DN)	PIPE OD TOLERANCE (mm)		WALL THICKNESS (mm)	
	mm	Min	Max	Min
40	40.00	40.30	1.80	2.00
50	50.00	50.30	1.80	2.20
75	75.00	75.40	2.30	2.80
110	110.00	110.40	3.40	4.00
160	160.00	160.50	4.90	5.60

PROPERTY	VALUE
Pipe Material	Co-Polymer PP for the external and internal layers. Mineral reinforced PP compound (PP-MD) for the core layer
Fitting Material	Mineral reinforced PP compound (PP-MD)
Rubber Seal	SBR
Colour	Cream White RAL 9003
Density	1.3 g/cm ³
Life expectancy	50 Years
Application	Designed for soil and waste discharge, suitable for in-building and underground drainage applications
Connection	Push-fit sockets with elastomer rubber seals
Coefficient of Linear Expansion	0.09 mm/m °C
Working temperature	Up to 90°C (continuous) Up to 95°C (discontinuous)
Chemical resistance	Discharge waste water between pH 2 and pH 12
Manufacturing standard	EN 1451





JINDAL KWIET PRO

VS



Ordinary PVC Pipes



3-Layer construction with mineral filled PP middle layer (PP - MD - ML)



PIPE CONSTRUCTION



Single layer uPVC



Excellent noise reduction due to high-density mineral layer



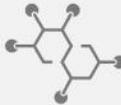
SOUND INSULATION



Poor sound insulation



Flexible, tough and crack-resistant



MATERIAL CHARACTERISTICS



Rigid & Brittle



High impact resistance during handling & installation



IMPACT RESISTANCE



Prone to cracking & damage



Up to 90°C continuous, 95°C short-term



TEMPERATURE RESISTANCE



Up to 60°C



Excellent resistance to household and industrial chemicals



CHEMICAL RESISTANCE



Limited chemical resistance



Residential, commercial, hospitals hotels, laboratories



APPLICATIONS RANGE



Basic residential drainage only



50+ years of service life with stable performance



SERVICE LIFE



Shorter service life around 25 years

INSTALLATION GUIDE

Preparation



JINDAL KWIET PRO pipes are easy to cut with a pipe cutter or saw. Ensure a clean 90° cut, remove burrs, and chamfer when connecting to fittings.



Check the position and condition of the elastomeric lip seal in the coupler. Clean the fitting, gasket, and pipe end before assembly to ensure a leak-free joint.



Apply a uniform layer of approved pipe joint lubricant to the coupling end before assembly. Oil or grease must not be used.

Push-Fit Installation



Carefully align the pipe end with the coupler and push it in firmly until it is fully inserted and securely seated in position.



Insert fittings fully up to the maximum socket depth. After pushing the pipe completely into the socket, pull it back by about 10 mm to allow proper expansion and movement.



Sliding Clamp

The clamp should gently hold the pipe against the rubber lining, not tighten fully, to minimise vibration transfer to the building structure.

Fixation

Install the JINDAL KWIET PRO system stress-free with allowance for thermal movement. Use rubber-lined brackets to prevent joint separation.



Fixing Clamp

After tightening the screws, the pipe or fitting is locked in the fixed bracket, with no longitudinal movement.

OUR VALUED CLIENTS



Our products are trusted by a wide range of clients, including leading private builders and government agencies, and are deployed across residential, commercial, and large-scale infrastructure projects nationwide.



No.1

INDIA'S LARGEST MANUFACTURER OF MULTI-LAYER PIPES

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