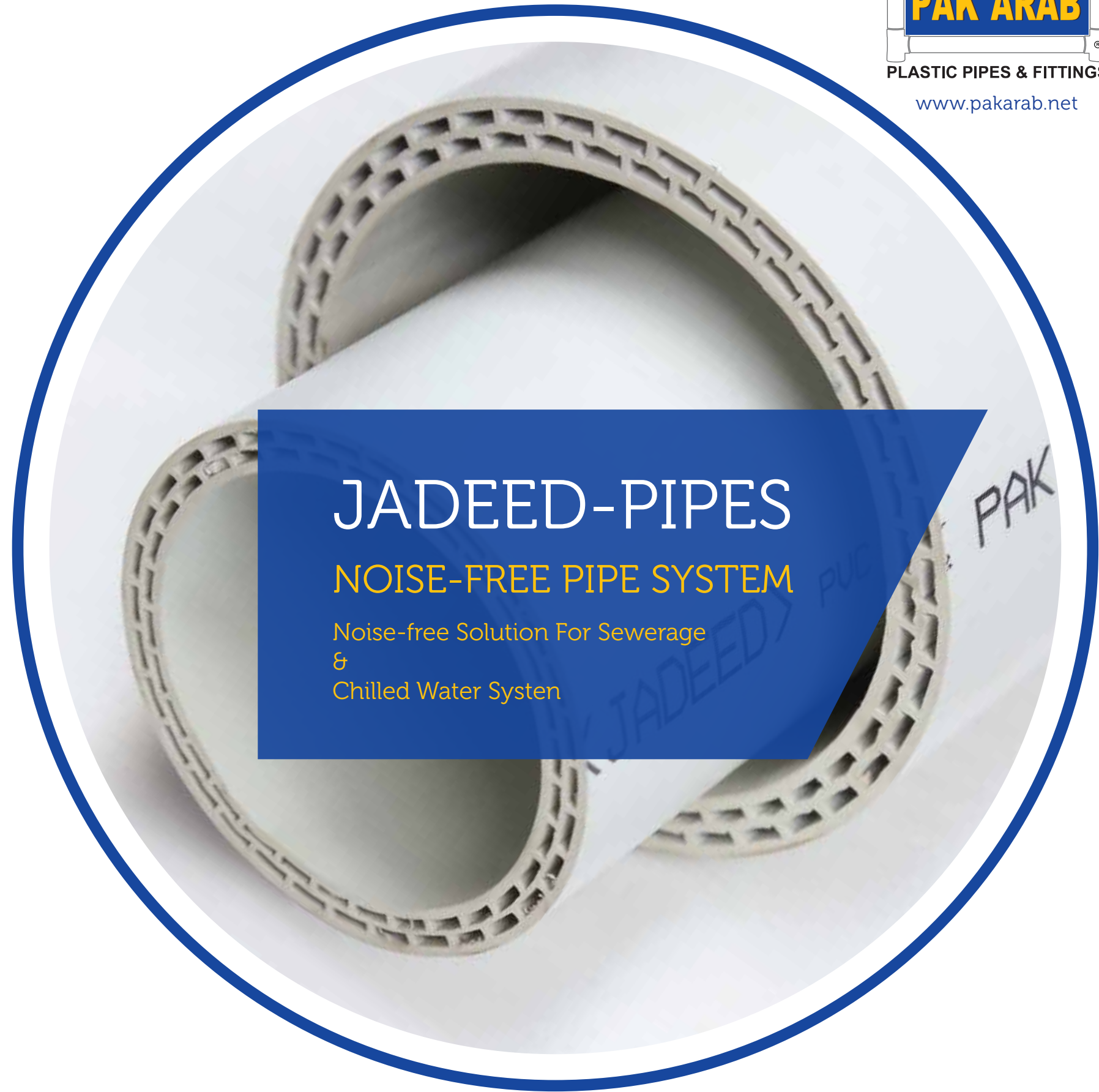


منتجات مصنع ذكاء، سنز للپلا سٹیک



PLASTIC PIPES & FITTINGS

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JADEED-PIPES

NOISE-FREE PIPE SYSTEM

Noise-free Solution For Sewerage
&
Chilled Water System



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ABSOLUTELY COMPLETE SYSTEM

WHAT ARE PAKARAB JADEED PIPES

We all know how much noise water can make when it travel through a building and how intrusive this sound can be, in endeavoring to meet sound controls within building regulations, additional materials and labor are required, increasing the cost and time on site. Now there is a simple, quick and cost effective solution.

PAKARAB JADEED pipes not only meet, but substantially beat sound performance required by building regulations and are a complete acoustic drainage to eliminate the effect noise.

The **PAKARAB JADEED** is a reference to sound pressure in other words, the lowest the pressure rate human ear will only detect silence, ensuring your customers will get a great night's sleep!

PAKARAB JADEED multilayer drainage pipe with acoustic fittings creates a high quality durable and reliable system developed specifically to meet construction requirements for increased level of soundproofing, and ideally suitable for:

- Mixed development
- Hospitals
- Hotels
- Schools
- Commercial application

For transporting domestic waste water at high and low temperature, Ventilation pipes for waste water applications, rainwater systems inside structures.



PRODUCT DESCRIPTION

PAKARAB JADEED is a system of pipes and accessories that is specially designed to reduce the noise that accompanies the evacuation of waste water and rainwater, and also decrease the sounds that often occur when substances travel through sanitary pipes. With its innovative three-layer PVC structure, **PAKARAB JADEED** is the latest technological innovation in sound insulation systems.

FACTORS

This core traps the sounds that occur in the pipes, notably reduce noise in the pipes. Outer layer (PVC), Core (sound-reducing PVC), Inner layer (PVC).

THE THREE LAYER PIPE STRUCTURE

Outer Layer This is the pipe's protective layer that prevents possible damage from external factors such as impact or the action of chemical agents. It also reinforce the pipe's rigidity.

Core This layer is the most important part of **PAKABAR JADEED** pipes. It is made of high- density, mineralized PVC. Thanks to its physical properties, it provide most of the sound insulation and reduces the transmission of vibrations in the installation.

Inner layer This is a completely smooth surface to prevent the formation of scale and to aid evacuation. It is made of PVC that withstands high temperatures and chemical agents.

HOW IS NOISE TRANSMITTED

Noise is transmitted by the vibration of a material, which can be a solid, liquid or gas (such as air). The resistance offered by a material to noise depends on its density, and in turn determines the speed of the sound wave. When the medium changes. For example, a sound moves from water to air-part of the energy is absorbed, part is reflected (it bounces) and the rest is transmitted (passed on to the other medium).

HOW CAN NOISE BE AVOIDED.

We can use these basic characteristics to make noise transmission more difficult by preventing the wave from passing (making the wave "bounce") or by scattering its energy (by damping it).

The **PAKARAB JADEED** three layer structure for pipes is a solution that combines these characteristics in an optimal manner. The special physical properties of the core material enhance the absorption of the sound wave's energy and also keep more of the sound inside the pipe. These characteristics – along with the fact that it is more difficult for noise to pass through a multi-layer structure-reduce the transmission of noise outside the installation when it is correctly designed and assembled.

OD (mm)	Total Thickness (mm)	Outer Layer (mm)	Middle Layer (mm)	Inner Layer (mm)	Cavity Thickness (mm)	Cavity Line Width (mm)
114.30	9.50	2.00	1.40	1.60	2.25	1.15
168.00	10.50	2.20	1.50	1.80	2.50	1.30