

PE SPIROPIPE pipes

Technical Datasheet

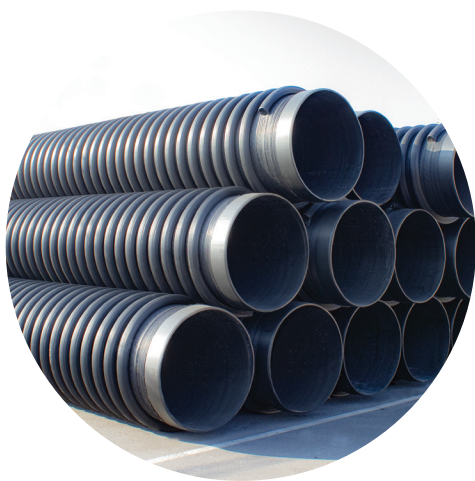
Applications

Peštan SPIROPIPE Spiral Tube System is designed for gravity drainage:

- Household water
- Industrial waters
- Rainwater
- Mixed sewage

Product description

Spiral two-layer corrugated pipes are made of high density polyethylene. They consist of an inner smooth wall and an outer corrugated spiral wall. The pipe is produced by winding a profiled outer layer (reinforcements) with corrugated profile on smooth and inner layer that is extruded and welded continuously. The outer layer consists of a smaller ribbed intestine high strength coated with polyethylene or polypropylene, and the inner layer consists of high density polyethylene or polypropylene. Presence profiled hose in the outer layer significantly improves the strength of the pipe itself. Technology production allows different steps (profiles) when winding the profiled outer layer, which provides different pipe strengths. Exactly from that reasons PEŠTAN SPIROPIPE PE spiral corrugated pipes can be produced in different types of stiffness. Produce in different strength classes.



Product Availability

SPIROPIPE SPIRAL pipes are produced in several variants of strength (resistance) to external loads (depending on the steps of the profiled outer layer for reinforcement, as well as depending on the diameter of the pipe).

They are produced from SN2 to SN32 in a standard height of 6 meters.

The pipes are defined by the inner diameter (light opening) and the outer diameter varies depending on the load class to which they belong (SN).

The connection method can be electrofusion or rubber (up to DN1200).

Production program of SPIROPIPE pipes and strength class

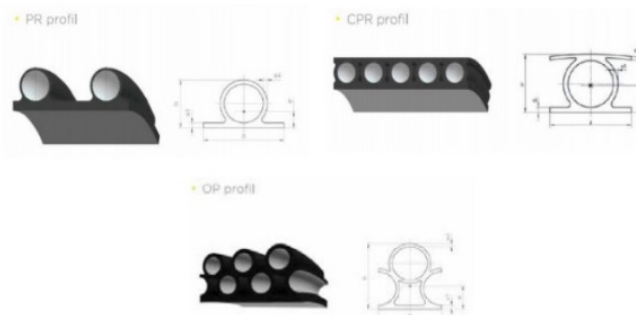
DN (mm)	Material	Connection method	Strength class
300	HDPE	E.F./rubber	SN2 -SN32
400	HDPE	E.F./rubber	SN2 -SN32
500	HDPE	E.F./rubber	SN2 -SN32
600	HDPE	E.F./rubber	SN2 -SN32
700	HDPE	E.F./rubber	SN2 -SN32
800	HDPE	E.F./rubber	SN2 -SN32
900	HDPE	E.F./rubber	SN2 -SN32
1000	HDPE	E.F./rubber	SN2 -SN32
1100	HDPE	E.F./rubber	SN2 -SN32
1200	HDPE	E.F./rubber	SN2 -SN32
1300	HDPE	E.F.	SN2 -SN32
1400	HDPE	E.F.	SN2 -SN32
1500	HDPE	E.F.	SN2 -SN12
1600	HDPE	E.F.	SN2 -SN12
1800	HDPE	E.F.	SN2 -SN12
2000	HDPE	E.F.	SN2 -SN12
2200	HDPE	E.F.	SN2 -SN12
2400	HDPE	E.F.	SN2 -SN8
2600	HDPE	E.F.	SN2 -SN8
3000	HDPE	E.F.	SN2 -SN8

Types of profiles

PEŠTAN currently offers three basic pipe profile products to its customers:

- PEŠTAN SPIRO PR
- PEŠTAN SPIRO CPR
- PEŠTAN SPIRO OP

Depending on the needs of the project and the desired stiffness, these three profiles can be further modified by adding more levels of reinforcement and modification of diameter of the tube. The goal is to complete the optimization of the pipes for the project needs, with full quality guarantee. The capacity of the pipe depends on the spiral steps and by profile type. Independent of payload class pipes (SN2-SN32) or type of internal profile (light) the pipe opening stay unchanged.



Mechanical and physical characteristics

PHYSICAL PROPERTIES OF MATERIALS

- **Impact resistance**

High impact resistance even at low temperature, which is a feature of these materials, guarantees compactness and strength of products that are made entirely of the highest quality materials. Reference procedure for determining resistance to strokes is EN 744.

- **Hydraulic characteristics**

Internal diameters and hydraulic characteristics PEŠTAN SPIROPIPE PE pipes remain the same over time, regardless of the type of profile, thanks to greatly reduced roughness and low adhesiveness of the inner walls of the pipe. Nominal diameter corresponds to the inner diameter of the pipe, with the allowable deviations according to reference norms.

- **UV resistance**

Black polyethylene pipes are weather resistant to effects of UV radiation, thanks to the addition of soot which is evenly dispersed in the polymer base. Therefore, such pipes can be used and be stored in open space, until an appropriate period of time, without damaging the material.

- **Temperature resistance of materials**

PE pipes are resistant to temperatures up to 60 degrees short-term, and 40 degrees long-term..

Chemical resistance

PEŠTAN PE SPIRAL pipes SPIROPIPE are resistant to salty water, alcohol, acids, alkalines, sulfates, aggressive gases and all kinds of detergents. On the other hand, can not be used for transport of water which contains high percentage of benzene, benzine (petrol) or acetone.

Technical Assistance

For more information about products please contact PEŠTAN technical support or regional salesman.



BELNIIS - Belarus



KIWA - Netherland



VUPS - Czech Republic



BELNIIS - Belarus



IMS - Serbia



GOST R - Russia



MPA - Germany



IGH - Croatia