

NEXUSFLO (punched) **NEXUSCOIL (unpunched)**

NEXUS™ is a range of twin wall polyethylene pipes, combining a smooth inner wall with a corrugated outer wall. During manufacture, the two walls are welded together providing a wall section with high stiffness and smooth bore flow performance. NEXUSFLO is punched while NEXUSCOIL is unpunched. Each product is coloured for easy identification: NexusFlo is Black with a blue stripe, NexusCoil is Black with a yellow stripe.



Features and Benefits

Performance

NEXUS™ smooth bore construction improves flow characteristics leading to earlier peak flow results.

Reliable

Smooth bore construction maintains a high water velocity in the pipe, making it self-cleaning and less prone to silting.

Flexible

The corrugated outer wall and polyethylene construction give it excellent flexibility and strength.

Compatible

NEXUS™ is compatible with NOVAFLO™ and NOVACOIL as well as a number of PVC pipeline products manufactured by Iplex Pipelines.

Choice

NEXUS™ is available in the standard diameters 110mm, 160mm as well as 200mm. NEXUS™ is available in lengths as well as a large range of coil sizes and together with a range of compatible fittings to provide drainage solutions for a wide range of situations.

Durable

The double wall construction of NEXUS™ allows Iplex Pipelines to offer a guaranteed stiffness resulting in a more robust product.

Efficiency

The improved flow characteristics brought about by NEXUS™ smooth bore technology can lead to savings by: – increasing drainage row spacing – decreasing pipe diameter in low gradient situations – decreasing pipe diameter through better hydraulic performance.

High Quality

NEXUS™ technology offers the New Zealand land drainage market a new level of performance. NEXUS™ is manufactured in New Zealand by Iplex Pipelines using a Quality Management System accredited to AS/NZS ISO 9001:2008.

Product Range

Product	Product Code	Nominal OD (mm)	Length of coils (m)	Colour
NEXUSFLO (punched)	NEXUS11015	110	15	● Black w/ Blue Stripe
	NEXUS11030	110	30	● Black w/ Blue Stripe
	NEXUS11050	110	50	● Black w/ Blue Stripe
	NEXUS110100	110	100	● Black w/ Blue Stripe
	NEXUS110450	110	450	● Black w/ Blue Stripe
	NEXUS16045	160	45	● Black w/ Blue Stripe
	NEXUS160185	160	185	● Black w/ Blue Stripe
	NEXUS2005	200	5	● Black w/ Blue Stripe
	NEXUS20029	200	29	● Black w/ Blue Stripe
	NEXUS200120	200	120	● Black w/ Blue Stripe
NEXUSCOIL (unpunched)	NEXUSCOIL11015	110	15	● Black w/ Yellow Stripe
	NEXUSCOIL11030	110	30	● Black w/ Yellow Stripe
	NEXUSCOIL11050	110	50	● Black w/ Yellow Stripe
	NEXUSCOIL110100	110	100	● Black w/ Yellow Stripe
	NEXUSCOIL110450	110	450	● Black w/ Yellow Stripe
	NEXUSCOIL16045	160	45	● Black w/ Yellow Stripe
	NEXUSCOIL160185	160	185	● Black w/ Yellow Stripe
	NEXUSCOIL20029	200	29	● Black w/ Yellow Stripe
	NEXUSCOIL200120	200	120	● Black w/ Yellow Stripe

How to lay Nexus

NEXUSFLO can work effectively on low gradients. The minimum grade (slope) allowed for trench and pipe should be as follows:

NEXUSFLO nominal OD (mm)	Min. recommended gradient (%)*	Min. recommended gradient (m)*	Min. recommended gradient (m)
			Existing corrugated Novaflo*
110	0.1	1 in 1000	1 in 400
160	0.07	1 in 1500	1 in 1000
200	0.05	1 in 2000	n/a

*Based upon minimum recommended flow velocity of 0.2m/sec (small risk of silting from clay particles and fine silts). Where coarse silts or fine sands could enter the pipe, steeper gradients and higher minimum flow velocities should be used. Designers and installers of NEXUSFLO systems should refer to NZAEI Guide to Subsurface Land Drainage – May 1988 for more information.