

KISSSS Subsurface Textile Irrigation



BelowFlow Wrap

For fresh water



SafetyFlow Wrap

For recycled water

Function

KISSSS subsurface textile irrigation creates a continuous strip of moist soil along the length of the system. The wetting pattern is oval in shape and confined to the plant root zone. Water and nutrients are supplied at a rate that matches the capillary absorption capacity of the soil minimising drainage losses and preventing surfacing of water.

Suitable for commercial and residential turf and garden irrigation. Recommended for areas with tight corners.

Flow rate

4 ltr/m/hr (0.33 gal/ft/hr) - other flows available

Internal conduit

Drip Pipe PC 13mm or 16mm diameter (1/2" or 5/8"), 1.0mm (39 mil) wall thickness

PRESSURE:

Opening

100kPa (15 psi)

Operating

50kPa -350kPa (8-50 psi)

Filtration

120 – 130 mesh

Deflection Tape

Impermeable membrane over the emitter that deflects water into the textile preventing tunnelling.

SafetyFlow Wrap: 24mm (1") wide lilac coloured tape for use with recycled water.

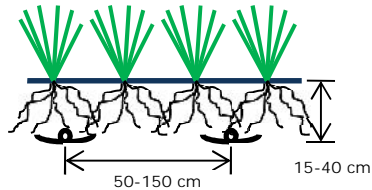
BelowFlow Wrap: 24mm (1") wide blue coloured tape for use with sweet water.

Geotextile membrane

A 60mm (2.5") wide wrap of geotextile that conducts water much faster than the surrounding soil and provides a large surface area for water absorption by the soil.

Resistant to chemical and biological degradation.

Depth and spacing



A soil test is recommended for all commercial installations to ensure correct spacing. On heavier textured soils, depth and spacing can be increased subject to soil testing.

Type of Installation	Depth (cm)	Spacing (cm)
RESIDENTIAL:	15-20 (6-8")	50-60 (20-24")
PARKS & GARDENS:	15-30 (6-12")	50-70 (20-30")
AGRICULTURE:	20-40 (8-16")	60-150 (24-60")

Orientation

Must be installed in parallel lines across sloping ground with the deflection tape (blue or lilac) facing up.

Installation methods

Specialised plough, pipe-laying machine, narrow trenching machine or by hand.

Connection fittings

Contact IWT for list of standard fittings

Roll length

50m or 100m (160ft or 320ft)
200m (650ft) available for large orders

Maintenance

Clean filter and flush lines every 6-12 months. Minimum of every 3 months for recycled, treated or grey water.

Rolls of product should always be stored in a dry area out of direct sunlight.

Warranty

10-year material replacement for faults during IWT manufacturing process. Warranty is void if BelowFlow Wrap or SafetyFlow Wrap is not installed or operated correctly.

Manufactured by

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