

KISSSS Nano



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.

Flow rate

Approximately 3-4 litres/metre/hour
(other flow rates available by special order)

Internal conduit

16mm drip tape (non-PC is standard; PC is available)

Wall thickness

Standard: 10mil (0.25mm)

Other options: 8mil (0.20mm)

12mil (0.30mm)

15mil (0.38mm)

Other tube diameters available on request.

Operating pressure range

55 – 105 kPa

Filtration

120–150 mesh (if water is very dirty)

Deflection tape

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

Blue tape for potable water. Lilac tape for recycled water.

Geotextile membrane

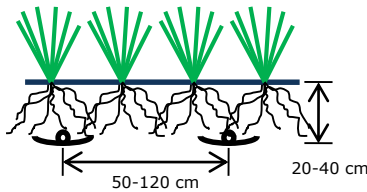
A 60mm wide strip of geotextile that conducts water much faster than the surrounding soil and provides a large surface area for water absorption by the soil.

Resistant to chemical and biological breakdown.

Impermeable membrane 60mm wide water impermeable base membrane directly under the geotextile just below the drip line that restricts drainage loss and encourages longitudinal movement of water. Resistant to chemical and biological breakdown.

Orientation Best installed in a flat configuration with the textile layer facing up. Can be angled to go around corners.

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.



General Guidelines:	Depth (cm)	Spacing (cm)
TURF:	15-20	50-60
AGRICULTURE:	20-40	70-120
RESIDENTIAL:	15-20	50-60

Installation methods Lay by KISSS Plow or by hand

Connection fittings Contact IWT for list of standard fittings

Roll length 300-450m (other rolls available on application)

Maintenance Clean filter and flush lines every 6-12 months. Minimum of every 3 months for recycled water.

Rolls of product should always be stored in a **dry area out of direct sunlight and kept covered at all times.**

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

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