

Technical Data Sheet

Shuk-Denso Sirex Tape

Description:	Shuk-Denso Sirex Tape is an adhesive coated foil tape designed as a key component for above ground or high temperature mechanical protection of Shuk-Denso corrosion prevention tape systems.
Composition:	A 40 µm pure aluminium foil, coated with a high tack permanent adhesive with a silicon coated paper release liner.
Characteristics:	<ul style="list-style-type: none">• Resistant to ultraviolet radiation and weathering• Visible light and heat barrier• Accommodates some vibration and movement of substrate• Excellent oxygen and vapour transmission barrier• High service temperature
Uses:	<p>For mechanical protection of Shuk-Denso Petrolatum Tape Systems in high service temperature environments.</p> <p>A component of Shuk-Denso Petrolatum Tape Systems protecting pipelines, joints and fittings.</p> <p>Suitable for creating moisture barriers in refrigeration units.</p>
Surface Preparation & Application:	<p>Prior to applying a Shuk-Denso tape system, clean metal surfaces with a wire brush. Firmly adherent rust and scale need not be removed.</p> <p>A thin film of primer should be applied before wrapping with anti-corrosion tape without overstretching. Apply heavily coated side of the tape to the metal surface. Smooth down and mould by hand especially all overlapped edges. A 55 % overlap of tape is applied to provide a double layer of tape.</p> <p>Spirally apply Shuk-Denso Sirex Tape with a 55% overlap to mechanically protect the anti-corrosion system.</p>
Recommended Temperatures:	Application: 5 to+ 45 °C Service: - 20 to + 100 °C
Storage:	In cool, dry, ambient conditions, in original cartons away from heat and direct sunlight.

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Dimensions:

DENSOSIREX50	50mm x 50m x 0.1mm Roll (24/Carton)
DENSOSIREX75	75mm x 50m x 0.1mm Roll (16/Carton)

Physical Properties:

Test	Test Methods	Units	Value
Thickness	ASTM D751	mm	0.10 ± 0.01
Weight	ASTM D751	g/m ²	200 ± 20
Breaking Strength	ASTM D1000	N/mm	> 2.4
Elongation at Break	ASTM D1000	%	6.5 ± 1.5
Adhesion Strength	ASTM D1000	g/mm	34.7
Oxygen Transmission Rate - single layer	ASTM D3985	g/ m ² .24hr	< 0.10
Water Vapour Transmission Rate - single layer	ASTM E96	g/ m ² .24hr	< 0.10