

# Technical Data Sheet

## Denso Ultraseal Tape

Description:	A tough, durable, flexible tape for the corrosion protection of above ground steel structures.
Composition:	An acrylic coated non-woven fabric backing coated with a bituminous adhesive compound. Includes a release liner (interleaving) which is removed prior to use, for ease of application and handling.
Characteristics:	<ul style="list-style-type: none"><li>• sticks and bonds rapidly and permanently to clean dry surfaces</li><li>• fast and simple to apply</li><li>• no special tools or drying required</li><li>• flexible, long lasting, self-sealing to minor substrate blemishes</li><li>• can help prevent mould by sealing out moisture</li><li>• no volatile components</li></ul>
Uses:	<ul style="list-style-type: none"><li>• a component of the Denso Steelcoat 400 System</li><li>• protection of above ground steelwork such as steel girders and bridges</li></ul>
Surface Preparation and Application:	Ensure that surface is free from dirt, dust, contamination and if possible dry. Remove any loose material using a scraper or wire brush. To promote adhesion in cold weather it is preferable to warm up the tape to at least 15°C before application. Unwind and cut tape to required length. Peel back about 5cm of the release liner and with firm pressure apply the product to the surface. Ensure intimate contact is made and that no air is trapped. Mould the tape around bends and corners. Using a cloth or small roller, ensure that all edges and overlaps are forming proper seals and installed in a manner where they will be self-draining. Overlaps should be at least 25mm. Primer: To promote adhesion and fill porous surfaces substrates should be primed prior to tape application with a bitumen-based primer such as Denso Primer D or Denso Penetrating Primer. Always ensure volatile content of primer has evaporated before applying the tape. Do not trap solvents between the tape and the surface being protected. Topcoat: For long lasting ultraviolet radiation protection Denso Acrylic (Topcoat) Coating or Denso Epoxy Topcoat can be used.

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Recommended Application: + 15 to + 50 °C  
Temperatures: Service: - 10 to + 65 °C  
Peak: + 65 °C

Storage: Store in a cool, dry area away from direct heat and sunlight.

Dimensions:

DENSOUULTRAST0050	50mm x 12m Roll (20/Carton)
DENSOUULTRAST0075	75mm x 12m Roll (12/Carton)
DENSOUULTRAST0100	100mm x 12m Roll (6/Carton)
DENSOUULTRAST0150	150mm x 12m Roll (8/Carton)
DENSOUULTRAST0200	200mm x 12m Roll (4/Carton)
DENSOUULTRAST0225	225mm x 12m Roll
DENSOUULTRAST0475	475mm x 12m Roll
DENSOUULTRAST1000	1000mm x 12m Roll

Physical Properties:

Test	Test Methods	Units	Value
Total Thickness	ASTM D751	Mm	1.40 ± 0.15
Total Weight	ASTM D751	kg/m <sup>2</sup>	1.42 ± 0.10
Break Strength	ASTM D1000	N/mm	≥ 3.0
Elongation at Break	ASTM D1000	%	45 ± 10
Adhesion	ASTM D1000	N/mm	
- to steel			≥ 2.5
- to self			≥ 2.0
Dielectric Strength	ASTM D149	kV	> 25