

DeWAL® DW500RD/DW500R

†DW500R and DW500RD are interchangeable names.

DeWAL® DW500RD/DW500R is a one-step plasma tape constructed of a red silicone rubber and glass cloth backing coated with an aggressive high-temperature silicone adhesive. It will withstand grit blasting and plasma spray process yet will remove cleanly. DW500RD/DW500R has a higher tack than most other plasma masking tapes which allows it to easily conform to the most complex shapes.

Features & Benefits:

- Single layer
- Abrasion Resistant
- Conformable
- Removes cleanly after thermal spray process

Applications:

- Thermal spray masking tape
- Grit blasting
- Plasma spray metalization operations

PROPERTY	TEST METHOD	DATA RANGE	TYPICAL VALUE*
PHYSICAL			
Backing Material		---	Silicone/Glass Cloth
Backing Thickness, mm (inches)		0.178 – 0.223 (0.007 – 0.009)	---
Adhesive System		---	Silicone
Adhesive Thickness, mm (inches)		0.064 – 0.089 (0.0025 - 0.0035)	---
Adhesion, g/cm (oz./in)	ASTM D-1000	402 – 781 (36 - 70)	592 (53)
Engine Manufacturer Approvals Pratt & Whitney Rolls-Royce Aero Repair	PMC4630 Omat 2/96M		Approved Approved
Maximum Operating Temperature, C° (F°)			260 (500)

PRODUCT DIMENSIONS	METRIC	ENGLISH
Width mm, inches	6.35 - 914	0.25 - 36
Core Diameter mm, inches	76	3
Roll Length m, yards	33	36

*Typical values shown are from testing at date of manufacture and should not be used for specification limits.

- Additional technical information and product specifications are available upon request.
- Shelf life is one year from the date of manufacture with storage conditions of 21°C (70°F) and 50% RH.
- All metric conversions are approximate.