

## Technical Bulletin

# DeWAL® Thermal Spray Masking Tapes

Rogers Corporation manufactures the industry's most complete line of thermal spray tapes. With years of experience developing uniform, efficient tapes, DeWAL thermal spray tapes are approved for use by three aircraft manufacturers: Pratt & Whitney, GE, and Rolls Royce.

DeWAL P/N	P & W PMC	RR OMAT	GE
DW407	4235	2/205	C10-12
DW409	4433	N/A	C10-12
DW410	4416	2/174C	C10-12
DW411	4235	2/174A	C10-12
DW468-7	4614	2/204	C10-12
DW468-77	4614	N/A	C10-12
DW469	4273	2/203	C10-12
DW492	4462	2/96P	C10-12
DW496	N/A	N/A	C10-12
DW497	4458	2/174B	C10-12
DW498	4480	2/96W	C10-12
DW500	4295 & 4630	2/96M	C10-12
DW500R	4630	2/96M	C10-12
DW500-10	4630	N/A	N/A
DW501	N/A	2/174G	C10-12
DW503	4664	N/A	C10-12
DW504	4630	N/A	N/A

Please consult with your Rogers Sales Engineer for more information.



### Why Choose DeWAL® Tapes?



#### RESISTANCE TO EXTREME CONDITIONS

Exceptional resistance and maintained performance from high temperature exposure [up to 260°C (500°F) continuously].



#### TOUGH AGAINST ABRASION

Heavy abrasion and tear resistance even in the roughest conditions to ensure consistent durable performance.



#### SUPERIOR ADHESION

DeWAL thermal spray tapes all have aggressive adhesives to ensure high quality adhesion and sharp edges, yet release cleanly upon removal regardless of temperature or spray angle.



#### PROTECTIVE PERFORMANCE

Tapes provide necessary protection from over-spray and splash during spraying.



#### NON-CARBONIZING

Free of carbonizing materials for grit blast, ceramic, plasma, arc, and HVOF spraying.



#### EXCELLENT APPLICATION PERFORMANCE

Extreme conformability and flexibility to fit intricate geometries and configurations in applications.

## DeWAL Thermal Spray Tape Advantages

- A large selection of tapes available to fit each customer’s specific parameters
- Popular foil tape options which are important for hard masking
- Supports both single and double ply tapes
- Manufactured with proprietary silicone adhesive technology
- Manufactured in an ISO 9001:15 registered facility
- Strong relationships with committed distributors, integrated suppliers, and OEMs
- Available worldwide

## Quick Start Masking Tips

- Ensure the surface is clean of contaminants (dust, dirt, etc.)
- Apply tape with even pressure, smoothing out any bubbles
- Do not tear tape by hand
- After spraying, utilize proper cooling techniques
- Always follow shelf life and storage instructions

DeWAL Part Number	Description	Primary Applications	Features & Benefits
<b>Single Ply</b>			
DW500 (WH, YL Lr) DW500HT (WH, OR Lr) DW500R (R, YL Lr) DW410 (BL, YL Lr) DW497 (WH, YL Lr) DW500-10 (WH, YL Lr)	Silicone rubber coated glass cloth with silicone adhesive	<ul style="list-style-type: none"> <li>• Grit blasting and plasma spray masking</li> <li>• Aircraft qualifications for all three OEMs, used heavily in aerospace MRO work</li> </ul>	<ul style="list-style-type: none"> <li>• Conformable with an aggressive adhesive that releases cleanly</li> </ul>
DW407 (1mil foil) DW409 (2mil foil) DW411 (Heavy foil)	Aluminum foil and glass cloth laminate with silicone adhesive	<ul style="list-style-type: none"> <li>• Typically used on the borders of hard masking areas where absolutely no spray can be detected</li> <li>• Grit blasting and plasma spraying process</li> </ul>	<ul style="list-style-type: none"> <li>• Extremely conformable</li> <li>• Reflects heat</li> <li>• Adhesive removes cleanly</li> </ul>
DW468-7 (Double sided adhesive) DW469 (Single sided adhesive)	Glass cloth with silicone adhesive	<ul style="list-style-type: none"> <li>• Grit blasting and plasma spray masking</li> <li>• Aircraft qualifications for all three OEMs, used heavily in aerospace repair</li> </ul>	<ul style="list-style-type: none"> <li>• Heat resistant</li> <li>• Abrasive resistant</li> <li>• Conformable</li> <li>• Improved self-adhesion on DW468-7</li> </ul>
<b>Double Ply and Heavy Duty Laminates/HVOF</b>			
DW496	Glass cloth over aluminum foil and glass cloth laminate with silicone adhesive	<ul style="list-style-type: none"> <li>• Heavy duty grit blasting and plasma spray masking</li> <li>• Aerospace component repair</li> </ul>	<ul style="list-style-type: none"> <li>• High temperature resistance</li> <li>• Conformable for a double ply</li> <li>• Double ply allows for less overlapping when masking</li> </ul>
DW498	Blue silicone rubber over aluminum foil and glass laminate with silicone adhesive	<ul style="list-style-type: none"> <li>• Heavy duty grit blasting and plasma spray masking</li> <li>• HVOF, wire arc</li> <li>• Aerospace component repair</li> </ul>	
DW500-40 DW500-47	<ul style="list-style-type: none"> <li>• Silicone rubber, glass cloth with silicone adhesive</li> <li>• Very thick tapes with many laminate layers</li> </ul>		
DW501	Silicone rubber coated glass over aluminum foil and glass laminate with silicone adhesive		
DW503	Silicone rubber coated glass over copper foil coated glass over glass fabric with a silicone adhesive		
DW504	Silicone rubber, glass cloth with silicone adhesive		