



FST

Flame Spray Technologies

MASKING

THERMAL SPRAY CONSUMABLES GUIDE

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MASKING TAPES			
FST p/n	Size Range	Applications	Description
DW 500-10.0	10.0 mm x 33 m	Plasma Tape	<ul style="list-style-type: none"> DW 500 is a one step plasma masking tape constructed of a silicone rubber/glass cloth backing coated with an aggressive high-temperature silicone adhesive. It will withstand grit blast and plasma spray process yet will remove cleanly. DW 500 has a higher tack than most other plasma masking tapes which allows it to easily conform to the most complex shapes of the Aircraft Industry. DW 500 & DW 500R (red color for identification) plasma masking tape have a CCS13 (Rolls-Royce) approval.
DW 500-12.5	12.5 mm x 33 m		
DW 500-25.0	25.0 mm x 33 m		
DW 500-38.0	38.0 mm x 33 m		
DW-500-50.0	50.0 mm x 33 m		
DW 501-10.0	10.0 mm x 16.5 m	HVOF Tape	<ul style="list-style-type: none"> DW 501 is a laminate of blue silicone rubber, glass fabric, 4 mil aluminum and glass fabric designed for severe duty including HVOF applications. The Silicone adhesive will release cleanly. This tape is used as a masking tape for HVOF spraying. The double-ply construction provides superior protection in this demanding high velocity spray environment.
DW 501-12.5	12.5 mm x 16.5 m		
DW 501-25.0	25.0 mm x 16.5 m		
DW 501-38.0	38.0 mm x 16.5 m		
DW-501-50.0	50.0 mm x 16.5 m		
DW 411-10.0	10.0 mm x 33 m	Plasma/HVOF Tape	<ul style="list-style-type: none"> DW 411 is a heavy (4 mil) aluminum foil/glass laminate with a high temperature silicone adhesive. The aluminum foil provides excellent and conductive characteristics in high temperature applications. The silicone adhesive provides excellent adhesion at high temperatures yet will remove cleanly.
DW 411-12.5	12.5 mm x 33 m		
DW 411-25.0	25.0 mm x 33 m		
DW 411-38.0	38.0 mm x 33 m		
DW-411-50.0	50.0 mm x 33 m		

Masking

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FST p/n	Size	Applications	Description
170-10S Yellow	10mm x 33m 12,5mm x 33m 25mm x 33m 38mm x 33m 50mm x 33m	Plasma Spray Arc Spray Flame Spray Grit Blast	<ul style="list-style-type: none"> Our standard thermal spray masking tape withstands both grit blasting and thermal spray, and releases clean from metal surfaces
170-20S Yellow	10mm x 33m 12,5mm x 33m 25mm x 33m 38mm x 33m 50mm x 33m	Plasma Spray Arc Spray Flame Spray Grit Blast	<ul style="list-style-type: none"> Similar to 170-10S Yellow, but offers double layered protection for added strength and resilience.
170-10S Green	10mm x 33m 12,5mm x 33m 25mm x 33m 38mm x 33m 50mm x 33m	Plasma Spray Arc Spray Flame Spray Grit Blast	<ul style="list-style-type: none"> In most cases a single layer of this premium tape is sufficient to withstand both grit blast and various thermal spray processes.
170-20S Green	10mm x 33m 12,5mm x 33m 25mm x 33m 38mm x 33m 50mm x 33m	Plasma Spray Arc Spray Flame Spray Grit Blast	<ul style="list-style-type: none"> Similar to 170-10S Green, but offers double layered protection for added strength and resilience.
170-10S Red	10mm x 33m 12,5mm x 33m 25mm x 33m 38mm x 33m 50mm x 33m	Plasma Spray Flame Spray Grit Blast	<ul style="list-style-type: none"> Well suited for plasma spray coating and applications involving higher temperatures. This tape resists burning and scorching while leaving clean lines and no adhesive residue.
170-20S Red	10mm x 33m 12,5mm x 33m 25mm x 33m 38mm x 33m 50mm x 33m	Plasma Spray Flame Spray Grit Blast	<ul style="list-style-type: none"> Similar to 170-10S red, but offers double layered protection for added strength and resilience.
160 5S HT	10mm x 33m 12,5mm x 33m 25mm x 33m 38mm x 33m 50mm x 33m	'Plasma Spray Flame Spray Grit Blast'	<ul style="list-style-type: none"> Fiberglass. Constructed with tightly woven, high tensile uncoated glass cloth, and silicone adhesive. This tape is ideal for secondary masking. It is highly conformable and leaves no adhesive residue upon removal

MASKING TAPES			
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HVMT Orange	10mm x 33m 12,5mm x 33m 25mm x 33m 38mm x 33m 50mm x 33m	Plasma Spray HVOF Gas Fuel HVOF Liquid Fuel Arc Spray Flame Spray Grit Blast	<ul style="list-style-type: none"> Engineered for Gas Fueled HVOF. This tape is well suited for some of the most demanding thermal spray applications. Highly conformable for precision masking it withstands extreme heat and abrasion and releases quickly and cleanly after use
190 Aluminum	10mm x 33m 12,5mm x 33m 25mm x 33m 38mm x 33m 50mm x 33m	Plasma Spray HVOF Gas Fuel HVOF Liquid Fuel Arc Spray Flame Spray	<ul style="list-style-type: none"> Made with Aluminum foil and fiber glass cloth laminate. This specialized tape offers dual masking protection. It is highly conformable, releases cleanly from metal surface and leave clean edge lines
900.020-25 900.020-50	25mm x 33m 50mm x 33m	HVOF Gas Fuel HVOF Liquid Fuel	<ul style="list-style-type: none"> FST High Temperature Copper Foil masking tape has been specially designed for extreme applications such as HVOF. FST's copper tape is a heavy duty glasscloth/ copper foil combination which has been coated with a proprietary adhesive.'

Note: Other tapes widths are available upon request

MASKING COMPOUND			
FST p/n	Size Range	Applications	Description
901.000 901.001 901.002	0,5kg 1,0kg 2,0kg	Plasma Spray HVOF Gas Fuel HVOF Liquid Fuel Arc Spray Flame Spray Grit Blast	<ul style="list-style-type: none"> Compound Releases cleanly from metal surfaces. Quick cure time at room temperature (6 – 7 minutes) Ideal for masking holes (threaded or standard), key-ways, grooves, depressions etc. Resistant to burning Conformable to virtually any dimension Putty should be mixed until consistent light blue colour (roughly 50/50). Masks against: Grit blast, Flame Spray, Wire Arc Spray, Plasma Spray and HVOF

OTHERS & APPROVALS

In this Consumable Guide the most generally industrial used masking products are listed. If products other than listed in this catalogue or Approved (GE, Pratt & Whitney, Rolls Royce, etc..) are required, please contact our customer support team.

