



MACHBLOC™ HVOF Masking Compound

MACHBLOC™ is a heat resistant, silicone-based masking compound that's specially designed to withstand the rigors of HVOF spraying and grit blasting. It looks and feels like modeling clay, so it can conform to almost any shape part. Screw and bolt holes, complex contours, grooves, even parts which are currently impossible to fixture, can now be easily and quickly masked. And, since MACHBLOC™ is so cost-efficient, small runs or one-of-a-kind parts can now be masked and processed economically.

There has never been a simpler, more effective way to mask parts for HVOF coatings.



ASTRO ALLOYS INC.

Thermal Spray Equipment & Supply

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Put these MACHBLOC™ advantages to work for you.

- ◆ Quick and economic alternative to metal fixture masking
- ◆ Does not break down like pressure-sensitive masking tapes
- ◆ Conforms to any shape part, screw holes, grooves and contours
- ◆ Withstands all HVOF coatings, including tungsten carbide
- ◆ Insulates surfaces to prevent heat build-up
- ◆ Does not shrink during curing
- ◆ Removes easily without leaving residue
- ◆ Halogen and chloride-free for aviation applications

No more delays for metal fixtures. No more failures with tapes.

MACHBLOC™ is revolutionizing the masking process because it allows users to get full advantage out of HVOF coating technology. Without time-robbing delays to fabricate metal masking fixtures. Without quality breakdowns from using ineffective, pressure-sensitive tapes. After molding and curing, MACHBLOC™ has the consistency of rubber, yet it's removed easily and cleanly from parts after spraying.

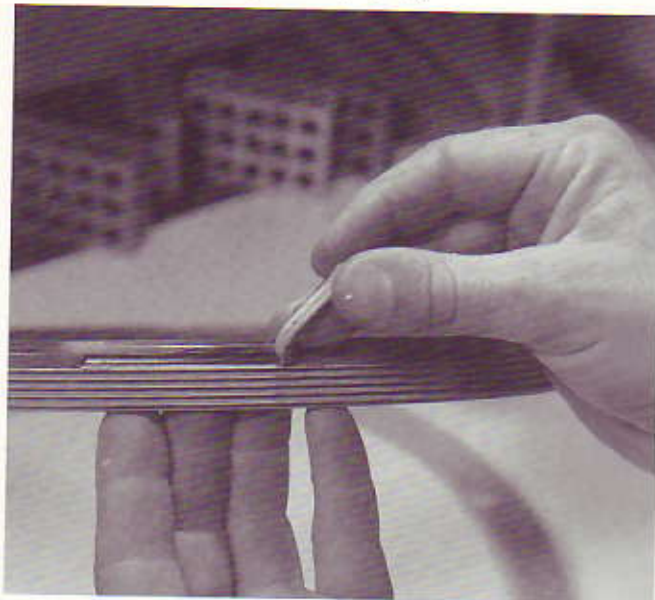


Specifications

MACHBLOC™ HVOF Masking Compound	
Maximum Temperature	Continuous use - 625° F Peak - 900° F
Cure Cycle	25 minutes @ 250° F
Density	50 lbs/cubic ft.
Free Chlorides	<1 ppm
Free Halogens	<1 ppm
Cured Tensile Strength (3 mm thickness)	6.9 MPa
Hardness (Shore A)	55 degrees
Shelf Life	6 months @ 72° F in sealed container

MACHBLOC™ simplifies the process. Maximizes the results.

MACHBLOC™ is incredibly easy to use. Just hand-mold to areas requiring protection prior to grit blasting...a 3-5 millimeter thickness is recommended. After molding, cure at 250° F for at least 25 minutes. After curing, the material becomes a strong, abrasion-resistant mask. After grit blasting and spraying, MACHBLOC™ can be peeled back and removed leaving good line definition...eliminating costly grinding or polishing after spraying.



Ordering Information

Size	Packaging
1/8" Bead	200 g/pkg
1/4" Bead	350 g/pkg
1/2" Thin Ribbon	475 g/pkg
1" Thin Ribbon	450 g/pkg
1" Ribbon	450 g/pkg
2" Thin Ribbon	475 g/pkg
2" Ribbon	475 g/pkg

Please contact our customer service representatives to find out more about the MACHBLOC™ solutions.

Notice: Praxair Thermal Spray Products is committed to continuous product improvement. Specifications, appearances and dimensions are subject to change without notice. LC0024, IDS

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