

Ready-to-Use Slurries Gaining Popularity for the Gas Turbine Engine Industry

APV's **Masking Systems** are a proven processes for the high temperature diffusion coating industry. Slurry masking is an important element of these systems. Slurry masking, an 'industry standard' process for over 40 years, is a highly successful method of masking hardware against aluminide and chromide coatings. It is estimated that 40 to 50 million parts have been masked with APV's Masking System and slurry components.

Our customers constantly look for ways to reduce costs and remain sensitive to environmental issues. Recent worldwide economic distress and ever increasing commodity prices further exacerbate these concerns. In response, APV brought another technological innovation to their masking system, the **Ready-To-Use Slurries (RTU)**. These slurries are shipped "ready made", eliminating the first few steps in the Masking System process. APV's Ready-To-Use Slurries require only a quick hand stir, and then the dipping and/or painting of the alloy/super alloy part being masked can proceed.

The many benefits of APV's RTU Slurries:

- 1. Significantly Reduces Labor for Slurry Preparation:**
 - Eliminates need to weigh ingredients
 - Eliminates need to mix ingredients for slurries
 - Reduces need to mix slurry that has settled
 - Reduces need to "add" powder/binder to slurries
- 2. Reduces Labor for Maskant Application:**
 - Ease of application (no bubbles, "lumps", improved adhesion)
 - Eliminates need to handle powders
 - User-friendly
 - Eliminates need for "experienced" operators
- 3. Improves Environmental Impact**
 - Eliminates waste (slurry mixture can be capped and re-used)
 - Conserves Energy (oven drying is unnecessary)
- 4. Remains in Suspension for Long Periods of Time**
- 5. Ensures Slurry Consistency/Reliability; removes operator from the process**
- 6. Provides Less Coating Leakage and Decreases Alloy Depletion**

Customers are exceptionally pleased with the processing advantages of APV's RTU Slurries. **Contact us** today to find out how easy it is to implement these slurries into your diffusion coating masking processes. APV can truly be your "Resource For Solutions™!"

Contact Marv Negrin for more information on the APV Masking Systems

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APV and the Aerospace Industry

APV has partnered with the aerospace industry for many years. Our objective is to continue working closely with each customer to provide products that will best suit their individual needs as we face future changes and challenges that inevitably lie ahead in our global environment.

Our Aeroprime Aviation Coating is an excellent example of our mission with its single coat application and user-friendly handling. Anti-corrosion, low or no VOC, and superior adhesion to aluminum substrates are just a few of the performance qualities of Aeroprime. Click below to find out more!

 www.apvcoatings.com

Research and Development

Specializing in an expansive line of customized products, we continually work to develop new innovations and breakthroughs. APV is currently finding new ways to incorporate PVDF Fluoropolymer Coatings into the Aerospace Industry. Contact us to find out more!

