



# e-Sealants

Bringing innovation to the surface.™

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*Attendees at PPG Aerospace's Seminar in Israel*

## PPG Aerospace Hosts Seminar in Tel Aviv

Earlier this year, PPG Aerospace continued its long-standing tradition of hosting a seminar specifically focused on the Israeli aerospace industry in coordination with Aero Hardware & Parts Co. Inc & Saraf. The seminar showcased PPG Aerospace's platforms including Aerospace Sealants, Coatings, Transparencies, & Packaging Materials. The session included technology updates on PPG's products and gave aircraft manufacturers, subcontractors, operators, and maintenance organizations the opportunity to share feedback on PPG products and services.

Global Sealants Marketing Manager, Bill Keller, delivered a presentation on the latest in aerospace sealant technology, highlighting PPG Aerospace's Generation III light weight sealant technology, the Customized Sealant Solutions program, and technology breakthroughs in the field of corrosion inhibitive sealants.

Scott Cavin, Commercial Aftermarket & General Aviation Coatings Segment Manager, presented an overview on aerospace coatings technology, topcoats, green coating systems and surface solutions. Additionally, the seminar included a presentation on PPG Aerospace's transparencies including review of burn resistance capabilities, weight advantages, scratch & craze resistance, and a total lower cost of ownership.

Feedback gathered from the seminar was positive, and attendees expressed interest in new technologies that reduce weight of the aircraft, reduce waste, and improve throughput. Attendees included a cross-functional group of experts from Israel's aerospace industry ranging from executives, supply chain analysts, and engineering to operations teams.

PPG Aerospace is globally positioned and committed to serving each region's specific needs. [Click here](#) for a list of PPG Aerospace's extensive Application Support Center (ASC) network. For more information, please visit our website at [www.ppgaerospace.com](http://www.ppgaerospace.com).



*New PPG Aerospace Facility in Miyoshi, Japan*

## Sun Rises Over PPG Aerospace's New Application Support Center (ASC) in Japan

PPG Aerospace opened its Application Support Center (ASC) in Handa, Japan in 2004 to better serve the needs of the aerospace industry in the region. The facility was designed to provide pre-mixed and frozen (PMF) aerospace sealants to the heavy industries. In response to the industry growth in Japan and the evolution of customers' needs, PPG will open a new ASC in Miyoshi, Japan this year. The ASC in Miyoshi will replace the Handa location and is expected to be fully operational by the 4th quarter of 2013. It will have all of the aerospace sealants packaging approvals the ASC in Handa has today including:

- ISO 9001:2008/AS9100C
- NADCAP
- Boeing (D1-4426)
- Bombardier (BAMS 552-001 & BAMS 552-002)
- Mitsubishi Heavy Industries (MSJ4000)

PPG Aerospace's state-of-the-art ASC in Miyoshi will be fully capable of packaging sealants, adhesives, and coatings into can kits, Semkit® packages, and other pre-mixed & frozen (PMF) packaging configurations. Additionally, the new ASC will be set up with equipment to fill and freeze PRC® Seal Caps locally. Other improvements will include enhanced color blending services, broader Value Added Packaging (VAP) capabilities, more space for storing aerospace transparencies, and a chemical management warehouse to support PPG's Total Service Solutions offering.

For more information about PPG Aerospace products and services available through our ASC in Japan, please visit our website at: [www.ppgaerospace.com](http://www.ppgaerospace.com) or contact the ASC directly at:

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## PRC® Seal Caps Receives High Scores in Aircraft Maintenance Competition



*Aircraft Mechanic Seals Fastener By Hand*

In March of 2013, Cygnus Aviation celebrated 16 years of showcasing innovative technologies at its annual trade show in Las Vegas for fixed-based operators (FBO), ground support and aircraft maintenance professionals. As part of the annual show, Cygnus' AMT Society featured a maintenance skills competition where aircraft maintenance professionals completed a series of challenging repair operations.

Suppliers in the aviation industry partnered with the AMT Society to simulate common repair operations such as hump seal repair for aircraft windshields, avionics wiring and most notably, the application of aerospace sealant over dome-style fasteners.

Aerospace sealants are typically applied over dome-style fasteners on aircraft to prevent corrosion and leaks in the fuel tank. Traditionally, the application of sealant over these fasteners has been done by hand and proven to be labor intensive. In response to the challenges of this particular application, PPG Aerospace developed, PRC® Seal Caps to improve efficiency in the application process, reduce costs and waste, and improve quality.

In preparation for the competition, a team of PPG Aerospace sealants experts guided contestants through sealing dome-style fasteners with PRC® Seal Caps versus traditional hand-sealing methods. During the competition, contestants were instructed to seal 6 dome-style fasteners by traditional hand-sealing methods and 6 dome-style fasteners with PRC® Seal Caps. Each team was then evaluated based on adherence to the proper mixing and sealing procedures, time to complete the module, and overall performance and quality.

The results revealed that experienced aircraft maintenance professionals had 76% fewer errors in quality when using PRC® Seal Caps as compared to hand-sealing of dome-style fasteners. Additionally, data collected from the module indicated a 48% reduction in time spent to complete the procedure when using PRC® Seal Caps.

PRC® Seal Caps are a unique concept developed through PPG Aerospace's Customized Sealant Solutions program which is committed to improving the application of aerospace sealants for airframe manufacturers and aftermarket partners, alike.

For more information on PRC® Seal Caps, please visit our web site, [www.ppgaerospace.com](http://www.ppgaerospace.com), or contact your local Application Support Center (ASC).

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