



Press release

Bay Point, Calif. May 19, 2008

Film adhesive provides superior composite bonding performance

Henkel Launches Hysol® PL 7000™ to Solve Composite Bonding Challenges

BAY POINT, Calif., May 19, 2008 – Henkel's new film adhesive, Hysol® PL 7000™, an epoxy film adhesive, performs well even with pre-cured laminates that have been exposed to high humidity environments prior to secondary bonding. This innovative film adhesive is formulated to provide excellent performance properties in composite bonding, and demonstrates cohesive strength on pre-cured composite surfaces that have been stored in humid bond shop environments.

Hysol® PL 7000™ features include:

- **Dual temperature cure capabilities** – at 120°C or 180°C
- **Outstanding tack and handling** – excellent tack, yet it can be repositioned on itself or pre-impregnated on vertical surfaces
- **Good flow characteristics for surfacing applications**
- **Superior shop life characteristics** – Good performance on composite to composite bonding, co-cured composite bonding and composite to honeycomb bonding applications. Shop floor open time of 30 days at 90°F/30°C and 50% relative humidity.

Additionally, Hysol® PL 7000™ is qualified to Boeing's BMS 5-154 composite film adhesive specification and is used on the following Boeing 787 bonding applications:

BMS 5-154 Type III Class 2 Grade 3A for Hysol PL7000 0.0325M psf

BMS 5-154 Type III Class 2 Grade 5 for Hysol PL7000 0.05M psf

BMS 5-154 Type III Class 2 Grade 8 for Hysol PL7000 0.08M psf



“Henkel is dedicated to finding solutions to the composite bonding challenges that our OEM customers face,” said Lyndon Smith, vice president, aerospace North America, Henkel. “Hysol ® PL 7000™ is another innovative product resulting from Henkel’s commitment to our customers and innovation in aerospace applications.”

For more information including data sheets, MSDS’s and application information, please visit the new microsite www.hysolpl7000.com or call 925.458.8000.

Henkel’s aerospace group provides structural adhesives and metal surface treatments. Structural adhesives are used for composite, metal and honeycomb assembly in all sectors of aerospace. Metal surface treatments include cleaners, metal pre-treatment chemicals, jet engine overhaul cleaners and paint removers for the maintenance and preparation of aircraft. Our target customers include OEM’s, subcontractors, and maintenance & overhaul centers. Key brands include Hysol® for structural adhesives, Turco® for metal surface treatments and key product brands of Frekote® mold release chemicals and Alodine® conversion coatings. For more information, please visit www.henkelna.com/aerospace .

For more than 130 years, Henkel has been a leader with brands and technologies that make people’s lives easier, better, and more beautiful. Henkel operates in three business areas -- Home Care, Personal Care, and Adhesives Technologies -- and ranks among the Fortune Global 500 companies. In fiscal 2007, Henkel generated sales of \$19.218 billion and operating profit of \$1.975 billion. Our 53,000 employees worldwide are dedicated to fulfilling our corporate claim, "A Brand like a Friend," and ensuring that people in more than 125 countries can trust in brands and technologies from Henkel.

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