-----------------------------------------------------------------

The following is a news release from Master Bond Inc. You have received it because you are listed as an editor for your publication.

Attached to this email is a low resolution version of the photograph that is included in the press kit for this product.

A high resolution version of this image and files with the body text of this release in Word, HTML and text formats are available at <https://www.masterbond.com/newsrelease/supreme-11aohtlp>.

-----------------------------------------------------------------

## FOR IMMEDIATE RELEASE

**Thermally Conductive Structural Epoxy Meets NASA Low Outgassing Specifications**

Master Bond Supreme 11AOHTLP is a two component epoxy featuring thermal conductivity and electrical insulation. This system is specifically designed for bonding larger parts since it has a relatively long working life of 60-90 minutes (at room temperature for a 100-gram batch). This makes it uniquely suited for demanding situations where more time for fixturing is needed.

Supreme 11AOHTLP has reliable electrical insulation properties with a volume resistivity exceeding 1014 ohm-cm at 75°F. It also exhibits thermal conductivity of 3-5 BTU·in/(ft²·hr·°F) [0.5-0.7 W/m/K]. The system provides high bond strength properties with a lap shear strength of 3,200-3,400 psi, a tensile strength of 7,000-8,000 psi, a compressive strength of 20,000-22,000 psi and a T-peel strength of 15-20 pli. This toughened formulation is designed to withstand thermal cycling and offers a wide service temperature range from -112°F to +400°F (-80°C to 204°C).

Supreme 11AOHTLP cures at room temperature in 2-3 days, and faster with heat, in 2-3 hours at 200°F. To optimize properties, the recommended cure schedule is overnight at room temperature, followed by a post cure at 120-150°F for 3-4 hours. It bonds well to a wide variety of substrates including metals, ceramics, glass, rubbers, and many plastics. This epoxy system has a convenient 1:1 mix ratio by weight, with the mixed material being a thixotropic paste. To eliminate the need for manual measuring and mixing, it can be packaged in double barrel cartridges for gun kits. It is also available in standard jars and cans, ranging in size from ½ pint to gallon containers.

**Master Bond Low Outgassing Adhesives**

Master Bond has developed a line of specialty adhesives that meet stringent NASA low outgassing requirements (ASTM E595). These adhesives have minimal outgassing, which makes them not only suitable for vacuum environments but also ideal for applications where sensitive components are involved. Master Bond's low outgassing adhesives are designed for the electronic, optical, electro-optical, and aerospace industries, where they prevent contamination and ensure optimal device functionality under demanding operating conditions. Read more about low outgassing adhesives at <https://www.masterbond.com/properties/low-outgassing-adhesives> or contact technical support to discuss your application.

TECH SUPPORT

Email: technical@masterbond.com

Web: <https://www.masterbond.com/contact>

Tel: +1-201-343-8983

Note to Editors:

For a full product description, please visit: <https://www.masterbond.com/tds/supreme-11aohtlp>.

Check out new videos on our YouTube channel: <https://www.youtube.com/user/MasterBondVideo>

You can embed any of our videos on your website.

CONTACT

James Brenner, Marketing Manager

Email: jbrenner@masterbond.com

Tel: +1-201-343-8983

Fax: +1-201-343-2132

MASTER BOND INC.

154 Hobart Street

Hackensack, NJ 07601-3922

Web: <https://www.masterbond.com>

# # #

-----------------------------------------------------------------