



European Agent:  
**RDR Aerospace Ltd**  
 www.rdr-aerospace.co.uk

Unit 3 St. Margaret's Way, Huntingdon,  
 Cambs, United Kingdom, PE29 6EB  
 Tel: +44 1480 450993  
 Fax: +44 1480 457668

| Components | Cure | Mixed Specific Gravity | Mix Ratio By Weight | Available in Cartridges | Color | Flame Retardant | Pot Life in Minutes (3 oz) | -67°F (-55°C) Al-Al Lap Shear PSI | 75°F (23°C) Al-Al Lap Shear PSI | 180°F (82°C) Al-Al Lap Shear PSI | 350°F (177°C) Al-Al Lap Shear PSI | T-Peel (PLI) | Floating Roller Peel (PLW) | Tg | Compressive Strength (PSI) | Compressive Modulus (PSI) |
|------------|------|------------------------|---------------------|-------------------------|-------|-----------------|----------------------------|-----------------------------------|---------------------------------|----------------------------------|-----------------------------------|--------------|----------------------------|----|----------------------------|---------------------------|
|------------|------|------------------------|---------------------|-------------------------|-------|-----------------|----------------------------|-----------------------------------|---------------------------------|----------------------------------|-----------------------------------|--------------|----------------------------|----|----------------------------|---------------------------|

**A Selection of Magnolia Structural Aerospace Adhesives**

|   |   |                     |      |        |     |        |     |     |      |      |      |      |     |    |       |       |         |
|---|---|---------------------|------|--------|-----|--------|-----|-----|------|------|------|------|-----|----|-------|-------|---------|
| <b>Magnobond 6166 A/B</b> - A two-component, flame-retardant epoxy system having good peel strength and high temperature properties. <b>Magnobond 6166 A/B is qualified to CMNP008, Type1 Class A.</b>  | 2 | 7 Days @ RT         | 1.2  | 100:40 | Yes | Tan    | Yes | 60  | 3500 | 4000 | 2500 | 400  | 20  | 30 | TBD   | 7000  | 400,000 |
| <b>Magnobond 6168 A/B</b> - A two-component epoxy system having good peel strength and high temperature properties.   | 2 | 7 Days @ RT         | 1.1  | 100:44 | Yes | Tan    | No  | 45  | 4000 | 4500 | 2500 | 500  | 45  | 60 | 102°C | 5500  | 300,000 |
| <b>Magnobond 6367 A/B</b> - A two-component epoxy adhesive system designed to have low viscosity for injection repair. <b>Magnobond 6367 A/B is qualified to the following specifications:</b><br>Bell Helicopter/Textron, 299-947-100, Rev. N, Type II, Class 3<br>Lockheed Martin 70193229, Type 4<br>Rohr RMS 027, Type V, Class 2, Grade D  | 2 | 7 Days @ RT         | 1.05 | 100:44 | No  | Amber  | No  | 60  | 4000 | 4000 | 2500 | 700  | 4   | 30 | TBD   | 8000  | 400,000 |
| <b>Magnobond 6380 A/B</b> - A two-component toughened, bond-line controlled epoxy adhesive/shim system for use on a wide variety of substrates which has good properties over a wide range of temperatures and sets at room temperature in just 6 hours. <b>Magnobond 6380 A/B meets the following specifications:</b><br>Boeing/Sikorsky Specification 2000-777-016, 0-02-DASH-001A<br>Rockwell MBO-120-037, Type II, Class I<br>Sikorsky SS 8622-007A   | 2 | 7 Days @ RT         | 1.2  | 100:27 | Yes | Red    | No  | 90  | 4000 | 4000 | 2500 | 700  | 20  | 50 | TBD   | 7000  | 425,000 |
| <b>Magnobond 6398 A/B</b> - A two-component, non-bondline control, thixotropic paste epoxy system with good properties at high and low temperatures using a room temperature cure which is designed for bonding metals and composite structures. <b>Magnobond 6398 A/B meets the following specifications:</b><br>Bell Helicopter/Textron 299-947-100, Rev. N, Type II, Class 2<br>Bell Helicopter/Textron 299-947-359, Rev. A, Type I<br>Bell Helicopter/Textron 299-947-359, Rev. A, Type I<br>Lockheed Martin LMA-ML111, Type 1<br>Rockwell RBO-120-023<br>Raytheon Specification BS 201 | 2 | 7 Days @ RT         | 1.25 | 100:27 | Yes | Grey   | No  | 80  | 4200 | 4500 | 3000 | 1200 | 10  | 20 | TBD   | 7000  | 500,000 |
| <b>Magnobond 6448 A/B</b> - A two-component epoxy adhesive shim system designed to set in just 8 hours at room temperature. <b>Magnobond 6448 A/B meets the following specifications:</b><br>Boeing/McDonnell Douglas MMS-358<br>Lockheed Martin FMS 3070-D<br>Lockheed Martin 5PTMLG00, Form #1  | 2 | 7 Days @ RT         | 1.3  | 100:25 | No  | Grey   | No  | 120 | 4000 | 4000 | 3500 | 1800 | 1.5 | 8  | TBD   | 10000 | 800,000 |
| <b>Magnobond 6177</b> - A single component epoxy adhesive having high bond strength and good lap shear and peel strength.   | 1 | 1-2 Hrs @ 250-350°F | 1.1  | N/A    | Yes | Yellow | No  | N/A | 4000 | 6000 | 4700 | 350  | 35  | 40 | 115°C | 10000 | 400,000 |