

# LIONGRIP 5000



## HIGH PERFORMANCE HARDWOOD GLUE

|                                     |                                  |  |
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| PHYSICAL<br>PROPERTIES<br>(TYPICAL) | <b>Type</b> Resin emulsion       | <b>Calculated VOC</b> 10.7 g/L                               |
|                                     | <b>State</b> Liquid              | <b>Weight/Litre</b> 1.08kgs.                                 |
|                                     | <b>Color</b> White               | <b>Chalk Point *</b> Approx. 12°C (50°F)                     |
|                                     | <b>Dried film</b> Translucent    | <b>Flashpoint</b> > 93 °C (200 °F)                           |
|                                     | <b>Solids</b> 44-46%             | <b>Freeze/thaw stability</b> Keep from freezing              |
|                                     | <b>Viscosity</b> 4,500-5,500 cps | <b>Storage Life</b> 6 months in tightly closed containers at |
|                                     | <b>pH</b> 4.0 – 5.0              | 24°C (75°F)  |

\*Chalking point indicates the lowest recommended temperature at which the glue, air and materials should be to assure good bonds during the assembly and gluing process.

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| APPLICATION<br>GUIDELINES | <b>Application temperature</b> Above 12°C (50°F)   |
|                           | <b>Open assembly time</b> 5 minutes ( 21°C(70°F)/ 50%RH)   |
|                           | <b>Closed assembly time</b> 10-15 minutes ( 21°C(70°F)/ 50%RH)   |
|                           | <b>Application Spread Rate</b> Approximately 8 wet mils or 18 kilograms /1000 square feet per gallon   |
|                           | <b>Clamp pressures</b> Typical pressures are generally 155-175 psi for softwoods and 200-225 psi for hardwoods. Excessive pressure will evacuate adhesive and starve the glue line |
|                           | <b>Application methods</b> May be applied by squeeze bottles or by brush for detailed applications or by conventional roller glue spreaders  |
|                           | <b>Cleanup</b> Damp cloth while glue is wet. Scrape off and sand dried excess  |

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| BOND<br>STRENGTH<br>ASTM D-905<br>(ON HARD MAPLE) | <u>Temperature</u> | <u>Strength lbs/inch<sup>2</sup> - kPa</u> | <u>% wood failure</u> |
|   | Room Temperature   | 4 500 – 31 005                             | 77                    |

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| PRODUCT<br>FEATURES | • <b>High wet tack – Reduces slippage in clamping process</b>                         |
|                     | • <b>Fast curing – shortens clamp time</b>  |
|                     | • <b>Superior bond strength on hardwood</b>   |
|                     | • <b>Excellent heat and solvent-resistance</b>  |
|                     | • <b>Excellent sandability</b>  |
|                     | • <b>Unaffected by finishes</b>   |
|                     | • <b>Versatile – bonds wood, hardboard, high pressure laminates and particleboard</b> |
|                     | • <b>Contains UV fluorescent tracer</b>   |
|                     | • <b>Easy cleanup with water</b>  |

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| LIMITATIONS | <b>LIONGRIP 5000</b> Wood Glue is not intended for exterior use or where moisture is likely to affect bonded surfaces. Not for structural or load bearing applications. Do not use when temperature, glue or materials are below 12°C (50°F). Freezing may not affect the function of the product but may cause it to thicken. Agitation should restore product to original form. Read MSDS before use. <b>KEEP FROM FREEZING. KEEP OUT OF THE REACH OF CHILDREN.</b> |
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|-------------------------|-----------------|------------------------------|--------------------------|-------------------|----------------------------|
| ORDERING<br>INFORMATION | <u>Cat. No.</u> | <u>Size</u>                  | <u>Units per package</u> | <u>Weight Kgs</u> | <u>Packages per Pallet</u> |
|                         |                 | 3.78L Gallon Jug             | 4                        | 4.08              | 144                        |
|                         |                 | 18.9 L 5 Gallon Plastic pail | 1                        | 20                | 32                         |
|                         |                 | 200L 55 Gallon Drum          | 1                        | 220               | 4                          |

**Important Notice :** Our recommendations, if any, for the use of this product are based on tests believed to be reliable. Since the use of this product is beyond the control of the manufacturer, no guarantee or warranty, expressed or implied, is made as to such use or effects incidental to such use, handling or possession or the results to be obtained, whether in accordance with the directions or claimed so to be. The manufacturer expressly disclaims responsibility therefore. Furthermore, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing laws and/or patents covering any material or use.

