

Technical Data Sheet

MUF 110-150

Melamine Urea Formaldehyde resin

MUF 110-150 is an aqueous Melamine Urea Formaldehyde resin typically used as an adhesive in the manufacturing of water tolerant composite wood products

MUF 110-150 is usually diluted before application to optimize usage.

Acid salts and other hardeners may be added to ensure faster curing.

Typical Applications

- Medium Density Fiberboard
- Chipboard wood products

Appearance:

Translucent to white liquid

| PROPERTIES ⁽¹⁾ | VALUE | UNIT | TEST METHOD |
|---------------------------------|---------------|-------------------|---------------|
| pH @ 25°C | 8.90 – 9.30 | ~ | EN 1245 E2 |
| Density @ 25°C | 1.280 – 1.300 | g/cm ³ | EN 542:2003 |
| Brookfield Spindle Viscometer | 280 – 560 | Centipoise | EN 12092:2001 |
| Viscosity @ 25°C Ford Cup No. 4 | 49 – 92 | Seconds | ASTM D1200 |
| Solids, 2 h @ 120°C | 64.0 – 66.0 | % (m/m) | EN 827:2005 |
| Gel-time @ 96°C – 98°C | 65 – 85 | Seconds | EN 9396:2000 |

⁽¹⁾ Typical values; not to be construed as specification limits.

| PACKAGING: | MUF 110-150 is sold in bulk only. | | | | | | | | | | |
|--------------------------------|---|--------------------|------------|------|---------|------|-----------|------|--------|------|--------|
| STORAGE & HANDLING: | MUF 110-150 should be stored under cool and dry conditions. Safripol will not replace or re-work resin that has become unusable due to faulty storage or handling. It is the customer's responsibility to ensure that the condition of the resin is monitored at all times. This means measuring and recording the pH, viscosity and temperature of the resin on a daily basis. | | | | | | | | | | |
| SHELF LIFE: | The shelf life is considered to be the time taken for the viscosity to double. The shelf life of MUF 110-150 Melamine Urea Formaldehyde resin is dependent on Storage Temperature. Upon ageing, the resin becomes more viscous, and less tolerant of water. | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th>Storage Conditions</th> <th>Shelf Life</th> </tr> </thead> <tbody> <tr> <td>20°C</td> <td>2 weeks</td> </tr> <tr> <td>25°C</td> <td>1.5 weeks</td> </tr> <tr> <td>30°C</td> <td>1 week</td> </tr> <tr> <td>40°C</td> <td>3 days</td> </tr> </tbody> </table> | Storage Conditions | Shelf Life | 20°C | 2 weeks | 25°C | 1.5 weeks | 30°C | 1 week | 40°C | 3 days |
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Additional Information

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