

LOCTITE® UK 1347

Blade and Component Bonding Solution

Sustainable production of composite components and rotor blades of wind energy turbines



Cost-effectiveness
& Production Cost
Reduction



Higher Productivity



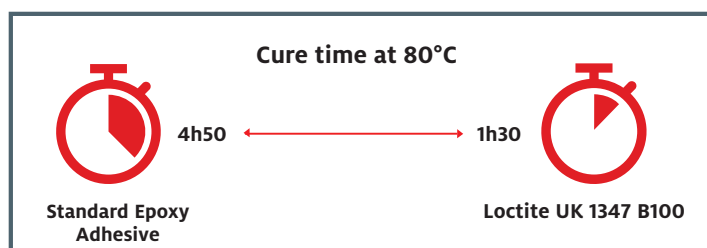
High Quality & Safe

LOCTITE SOLUTION

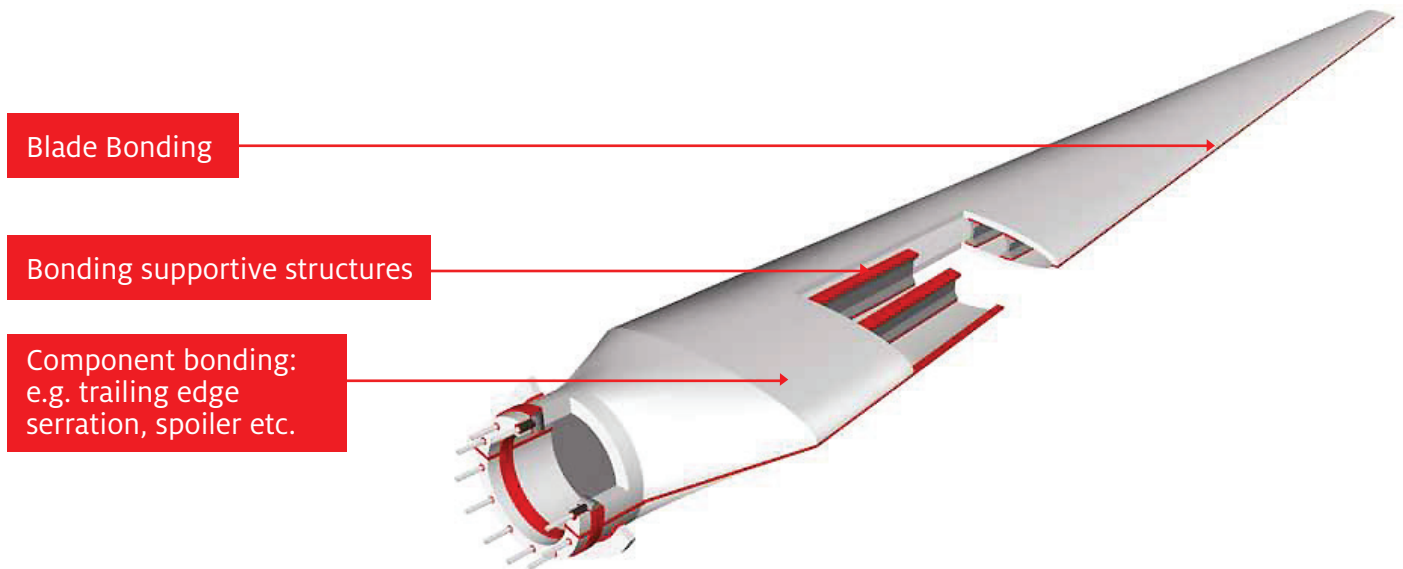
- To allow fast curing, even at ambient temperature
- To show a drastically lower exothermic peak
- To have an excellent wetting capability
- To show an outstanding fatigue resistance
- Can easily be adapted related to curing speed

KEY PERFORMANCE FEATURES

- Increase productivity due to a better utilization of the molds and a faster curing
- Significantly reduce the tempering time and temperature
- Save Energy
- Minimize the tendency for stress cracking substantially
- Adjust the manufacturing process individually based on particular process and material requirements



LOCTITE UK 1347 B100 Typical Applications



- High mechanical strength / high temperature resistance
- Outstanding fatigue properties
- Very low exothermic reaction
- Pot life up to 100 minutes
- Fast curing to initial strength
- Post-curing at room temperature

LOCTITE UK 1347 B100 Key Material Properties

| | |
|---|----------------------------|
| Technology | 2 Components Polyurethane |
| Product Type | Structural Adhesive |
| Cure | Polyaddition |
| Condition | Solvent-free |
| Mixing Ratio by weight Component A : Component B | 100 : 42 |
| Mixing Ratio, by volume Component A : Component B | 2 : 1 |
| Viscosity | Pasty, high sag resistance |
| Tensile shear strength, [MPa] | >20 |
| Packaging size (drums) | 280 kg |