



Material for FRP Matrix

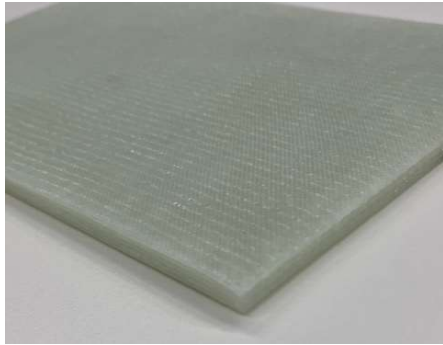
UV-GFRP Matrix Epoxy Resin



Short cure time and tough epoxy resin system

UV Curable Glass Fiber Reinforced Plastic

UV-GFRP is made with UV curable epoxy resin which can be cured by UV light energy. It has a possibility to be applied for wind turbine blade repair or other large scale FRP structure repair. Maintenance cost and downtime can be drastically shortened by UV resin instant cure property.

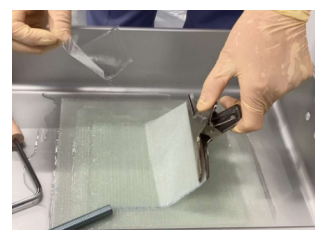
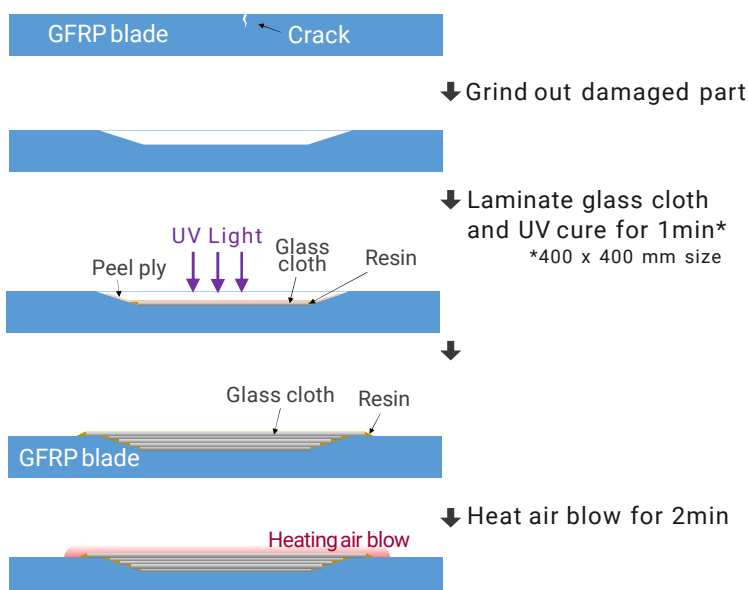


UV-GFRP Advantages vs. Thermal Cure Resin

- Short laminate time and cure time (~1h)
- Short downtime for repair
- No need to mix 2 components
- No need to care about pot life
- No need long and high temperature heat curing

	T-955 / UR024
Feature	UV Curable Matrix Resin One Component Epoxy
Working Life	> 1 Day
Cure Condition	~3,000 mJ/cm ² + 80 °C / 2 min
Viscosity (25 °C)	750 mPa*s
Tg	103 °C
Tensile Strength	67 Mpa
Bending Modulus	4.1 GPa

Workflow of UV-GFRP repair process



Dip glass cloth into UV resin



Laminate glass cloth



Laminate peel ply on glass cloth



Expose UV light for 1min

For more information please reach out to service@nagase.eu

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