

Cold facts: The effective blade repair solution

The Siemens Gamesa
UV Curing Laminate Repair System

Winter has come: both technically and logistically, cold weather makes blade repair a challenge.

Ordinary lamination solutions

like wet lamination are just not up to the task. Not suitable for winter – or humid – conditions, these can only be applied in over 15°C, carry the risk of an incorrect mixing ratio, and have a long curing cycle – even up to **5 hours**.



Introducing the solution:

The innovative Siemens Gamesa UV Curing Laminate Repair System.

An efficient, proven concept that responds directly to the inefficiencies of other blade repair lamination solutions, thanks to its UV lamp curing solution.

It can be applied in under 15°C weather and can save up to 3,5 hours!

Benefits include:



20-30%
cost repair reduction



Substantial process
time reduction



Improved repeatability and
process control



Installed in
high humidity or
low temperature



Simplified
logistics and set-up

The application process is a key element of this innovation's success.

One pre-peg laminate patch, one consumable kit,
and one rental tool kit are all it takes.

- 1.** The pre-consolidated solution is prepared on-site.



- 2.** Using an adhesive paste, technicians apply the prepreg laminate directly to the repair area.



- 3.** The laminate is then cured in only 2 to 5 minutes with a UV lamp.



All in under **1.5 hours**, all below **15°C**.

It's that simple: an innovative, cost and time-efficient repair solution that helps to keep your turbine blades operating optimally.



Contact us now at xxx.xxx@com to find out more.

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