

# COOLING TOWER FAN BLADE REFURBISHMENTS

**ENG-TECH**

SOLUTIONS FOR  
COOLING TOWERS



## Problem

Erosion on the leading edges, cracks and flaking on trailing edges of the cooling tower fan blades caused by UV degradation, erosion and impingement. This reduces the overall efficiency and operation of the cooling system. The refurbishment has avoided the high cost of blade replacement. The work was carried out within the fan cell, again reduced time and removal costs

## Application Method

The application was carried out by our in-house laminators in accordance with fan manufacturers repair procedures. The leading and trailing edges were rebuilt with FRP materials and coated with a high-grade polyester top gel coat to protect the repair.

## Approved Repairer

PTO

## Inspection

Important checks during preventative maintenance program of the Cooling Tower Fans to prevent breaking of FRP Blades during start up.

Inspection of each blade for excessive scale built up that would cause vibration. Consider cleaning the blades and applying a coating of UV Inhibiting Polyester type resin if the blades are showing signs of UV Deterioration.

Check fan blades surfaces for any cracks, damage or pits which may become potential reasons for breaking of the blades during start up, all very costly.

**Contact us for a free no obligation survey of your Cooling Tower fan blades at:**

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