

**USER:** Producer of lime and lime products

**PROBLEM DESCRIPTION:** Ground limestone with granulation up to 5mm (approx. 100g/m<sup>3</sup>) is conveyed pneumatically. One of the elements of the transmission system is a transport fan that forces air with lime dust at a speed of 45m/s. Due to heavy erosive wear, the fan impeller must be replaced after approx. 9 months of operation. To extend the fan's operation time, it was proposed to protect the impeller surface with **Chester Surface Protector B**.

**DESCRIPTION OF THE REPAIR:** The user decided to protect a new impeller. The surface of the impeller was sandblasted and degreased with **Chester Ultra Fast Degreaser F-6** and then protected with a 3 mm **Chester Surface Protector B** coating.

**ACHIEVED EFFECTS:** After 6 months, the fan was inspected. No wear of the coating was observed. After the next 6 months and no signs of impeller wear, the user also decided to protect the **Chester Surface Protector B** with the partially eroded inner surface of the fan body.

