

BELZONA PROVIDES ABRASION RESISTANT PROTECTION FOR SCREW CONVEYOR

ID: 6349



PROBLEM

As part of its operation in a treatment plant's slurry clarifier, the screw conveyor was transporting dehydrated slurries. The hard particles in the slurry were causing abrasion of the conveyor blades.

APPLICATION SITUATION

The screw conveyor at a water treatment plant was suffering from significant metal loss.

APPLICATION METHOD

Application was carried out in accordance with Belzona System Leaflet SHM-14. After gritblasting Belzona 1812 was applied to the blades to provide abrasion resistant protection.

BELZONA FACTS

Belzona 1812 (Ceramic Carbide FP) offers resistance to abrasive wear, significantly extending the life of the screw conveyor.

INDUSTRY

Water / Wastewater

LOCATION

Waste water treatment plant, Romania

APPLICATION DATE

May 2013

PRODUCTS

Belzona 1812 (Ceramic Carbide FP)

SUBSTRATE

Steel

PHOTOS

1. Screw conveyor affected by erosion corrosion 2. Metal loss on the blades 3. Belzona 1812 applied 4. Equipment life extended with Belzona protection

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