

GROUTING AND FAIRING OF BASALT TILES IN A CEMENT SEPARATOR WITH BELZONA

ID: 9129



PROBLEM

A separator in a cement plant is clad with basalt tiles, which are exposed to severe abrasion and they need to be protected from further deterioration.

APPLICATION SITUATION

A Humboldt-type separator operates in a cement plant 24/7. It is clad with basalt tiles, which are good and long-term solution, but eventually they get worn by severe abrasive influence of cement particles that are travelling through the separator in a turbulent flow. Customer allows a 5-day window to perform works inside the separator, during the annual turnaround and was looking for a solution that can solve the problem within selected timeframe.

APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflet SHM-7. Surfaces were dedusted with vacuum cleaner, then abraded with grinders and cleaned with acetone. Belzona 1812 was applied to damaged areas of tiles and joints with Belzona application tools.

BELZONA FACTS

We came to the solution together with the customer, when the problem started to appear. We applied Belzona 1812 on a smaller section initially and customer was satisfied with the result, so now we are doing it every year since 2019. The only considered alternative was partial replacement of basalt tiles, but it is complicated and expensive, because there is no local supplier, it requires specialized works and there is also a time issue mentioned before. It is a good solution for the customer, because it "freezes" the actual situation and prevents further deterioration of basalt cladding. Belzona 1812 performs well and can be easily refurbished once it is worn.

INDUSTRY

General Industry

LOCATION

Croatia

APPLICATION DATE

January 2019

PRODUCTS

Belzona 1812 (Ceramic Carbide FP)

SUBSTRATE

Other

PHOTOS

1. Damaged basalt lining within the separator
2. Preparation for work inside the separator
3. Belzona 1812 applied
4. Situation after 18 months – still OK

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured
under an ISO 9001 Registered
Quality Management System.

www.belzona.com

