ASH SILO REPAIRED WITH BELZONA 1818

ID: 8535


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PROBLEM
They have been experiencing rapid wear in the bottom part and particularly the Northern wall of the Bottom Ash Silo. The silo is made of 3CR12 grade stainless steel at 8.0mm thick. The wear rate is 0.25mm of wall thickness loss per month. The customer needed a quick solution to protect what metal they had left.

APPLICATION SITUATION
The Power Station is a 750 megawatt coal fired power station.

APPLICATION METHOD
There were areas in the Silo walls that had worn down from 8.0mm to 3.8mm of remaining wall thickness. Rezitech were called to offer a quick solution to reduce the metal loss and protect the remaining substrate. 20 X 1 kg kits of Belzona 1818 were applied.

BELZONA FACTS
The product had to be surface tolerant as there was no time to get abrasive blasting organized and staged three stories up at short notice. Also, the product had to be fast curing as they needed to get back on line as quickly as possible, and of course had to be abrasion resistant. Just the job that Belzona 1818 was designed for.

INDUSTRY
Power

LOCATION
Coal fired power station, Australia

APPLICATION DATE
June 2021

PRODUCTS
Belzona 1818

SUBSTRATE
3CR12 grade stainless steel

PHOTOS
Picture 1: External view of the damaged Silo

Picture 2: Internal view of the damaged Silo

Picture 3: Belzona is applying

Picture 4: Application complete