ENCAPSULATING A STEEL PLATE BETWEEN NEW AND OLD CONCRETE IN A DISCHARGE SUMP

ID: 9071


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PROBLEM
A new foundation was poured up against an old building to extend a discharge sump in a paper mill. A steel plate was cut out and the joint needed to be sealed along with the remaining cut steel edges. With only a 12 hour shutdown window to complete the entire project.

APPLICATION SITUATION
Due to the short window, perfect drying of both the substrate and the product was not going to be possible. Needed a system that is surface tolerant and also able to be put back into water service quickly.

APPLICATION METHOD
Surface was prepared using grinders and hand tools inside the sump. Then cleaned out and dried as long as possible before application of the conditioner.

BELZONA FACTS
Durable system able to perform in difficult application and active conditions while meeting the job timeline.

INDUSTRY
Pulp & Paper

LOCATION
New Brunswick

APPLICATION DATE
May 2023

PRODUCTS
Belzona 1161 (Super UW-Metal)
Belzona 4911 (Magma TX Conditioner)
Belzona 5831LT

SUBSTRATE
Concrete

PHOTOS
1. Steel plate, uncut, before the concrete floor and surrounding building were installed.
2. Sealed seam, concrete-steel-concrete.