Encapsulating a Steel Plate Between New and Old Concrete in a Discharge Sump

ID: 9071

Industry:	*Pulp & Paper*	Customer Location:	*New Brunswick*
Application:	*TCC-Tanks and Chemical Containment Areas*	Application Date:	*May 2023*
Substrate:	*Concrete*		
Products:	*Belzona 1161 (Super UW-Metal), Belzona 4911 (Magma TX Conditioner), Belzona 5831LT*		

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.

Steel plate, uncut, before the concrete floor and surrounding building were installed.

Sealed seam, concrete-steel-concrete.

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.