



Rapid Set® UltraFlow® 4000/8, Beta Steel (Portage, IN)

# BETA STEEL CASTER TABLE REPAIR & GROUTING

Rapid Strength Gain  
UltraFlow® 4000/8 Grout  
Met the Tight Schedule

**Location:**  
Portage, IN

**Date:**  
November 2004

**Owner:**  
Beta Steel

**Engineer:**  
APT Tech Services

**Contractor:**  
Tonn & Blank

**Product:**  
Rapid Set® UltraFlow® 4000/8

Beta Steel's caster roll out table experienced broken anchor bolts and failed grout due to the vibration caused by the lack of hold down pressure from the bolts. Since the maintenance shutdown time for these repairs was short, the repairs had to be completed quickly.

The Tonn & Blank Construction team evaluated different ways to fit the necessary work into the tight schedule. An epoxy grout was ruled out as a solution to the grouting of the table due to the heat conditions associated with roll out tables. Rapid Set UltraFlow 4000/8 grout was chosen due to its durability and rapid strength gain that would help meet the tight schedule and meet performance requirements.

After discussions with APT Tech Services, UltraFlow was also chosen to grout the replacement anchor bolts. This provided the contractor with one material that could be used for both bolt grouting and equipment grouting. The time needed for installation was shortened and UltraFlow's 8-hour strength gain allowed Tonn & Blank to meet the tight shutdown schedule.

The use of UltraFlow allowed this project to be completed on time and on budget.

