

Busch Stadium

St. Louis, Missouri

PROJECT PROFILE 006



LOAD N GO®

G7000



SPEC MIX® PCL Sand Mortar



SPEC MIX® IWR Mortar



SPEC MIX® Core Fill Grout

SPEC MIX® PCL Sand Mortar is a dry, preblended mortar mix containing portland cement, hydrated lime and dry masonry sand formulated for superior bond, water retention and board life. Meets ASTM C 270 requirements.

SPEC MIX® IWR Mortar is a dry, preblended mortar mix containing portland cement and hydrated lime or masonry cement with dry masonry sand and water repellent admixture formulated for water repellency, superior bond, water retention and board life.

SPEC MIX® Core Fill Grout is a dry, preblended mix containing cementitious materials and dried aggregates formulated for superior flow to fill masonry voids while meeting ASTM C 476 requirements for reinforced masonry construction.

LICENSEES:

Billings Brick and Masonry Supply, Billings, MT
Central Pre Mix Concrete, Kent, WA
Central Pre Mix Concrete, Spokane, WA
EZ Mix Products, Sun Valley, CA
Gibraltar National, Detroit, MI
Great River SPEC MIX, Muscatine, IA
Materials Packaging, Memphis, TN
Materials Packaging, Draper, UT
Midwest Block and Brick, Kansas City, MO
Package Pavement, Stormville, NY
Packaged Concrete Inc., Elburn, IL
Precision Packaging, Jackson, MS
Precision Packaging, Fort Smith, AR
Precision Packaging, North Little Rock, AR
QUIKRETE Atlanta, Lithonia, GA
QUIKRETE Baltimore, Clinton, MD
QUIKRETE Birmingham, Birmingham, AL
QUIKRETE Boston, Brentwood, NH
QUIKRETE Buffalo, Lackawanna, NY
QUIKRETE Carolina, West Columbus, SC
QUIKRETE Chesapeake, Chesapeake, VA
QUIKRETE Cincinnati, Harrison, OH
QUIKRETE Columbus, Columbus, OH
QUIKRETE Connecticut, Wauregan, CT
QUIKRETE Denver Holdings, Denver, CO
QUIKRETE Indianapolis, Indianapolis, IN
QUIKRETE Kentucky, Louisville, KY
QUIKRETE Miami, Miami, FL
QUIKRETE Nashville, Nashville, TN
QUIKRETE Peachland, Peachland, NC
QUIKRETE Philadelphia, Berlin, NJ
QUIKRETE Pittsburgh, Latrobe, PA
QUIKRETE Tampa/Orlando, Eaton Park, FL
QUIKRETE Tennessee, Jefferson City, TN
QUIKRETE Wisconsin, Sussex, WI
Saunders Dry Mix, Nedrow, NY
Simpson Materials, Valley Park, MO
Superlite Block, Phoenix, AZ
Texas Industries Inc., Dallas, TX
Tri Delta Inc., North Las Vegas, NV
Tri State QUIKRETE, Flanders, NJ
Twin City Concrete Products, Mendota Heights, MN
Twin City Concrete Products, Des Moines, IA
Twin City Concrete Products, Vinton, IA
Twin City Concrete Products, Omaha, NE
Twin City Concrete Products, Fargo, ND
Twin City Concrete Products, Sioux Falls, SD



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Busch Stadium

St. Louis, Missouri

January 2004 through April 2006

PRODUCTS: **PCL SAND MORTAR, IWR MORTAR AND CORE FILL GROUT**

CONTRACTOR: **HEITKAMP MASONRY**

LICENSEE: **SIMPSON MATERIALS**



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THE SOLUTION

As a longtime SPEC MIX® user, Heitkamp Masonry is familiar with the preblended mortar and grout as well as the G7000 silo, but the LOAD N GO® silo was new to them and it made a big impression on the mason contractor. The LOAD N GO provided flexibility that enabled the contractor to have materials on demand for the crews working on four levels of the stadium. It also reduces the number of lifting devices needed on site. In all, there are eight LOAD N GO silos and six G7000 silos on site.

Heitkamp Masonry also had never used SPEC MIX IWR Mortar. Since IWR Mortar has a dry admixture preblended into the mortar mix, the concern of freezing liquid admixtures was eliminated, and there is no need for measuring admixture, which saves time and increases consistency.

The real pressure begins once the old stadium comes down in the fall. “Opening Day doesn’t change,” says Jeff Hart, project manager for Heitkamp Masonry. Construction on the north side of the stadium begins this fall and will be completed in time for the first pitch of the 2006 baseball season.

PROJECT BRIEF

- 1 Busch Stadium project has a very specific deadline: Opening Day 2006.
- 2 Masonry work is being conducted on four levels.
- 3 A crew of 40 masons and 22 laborers need masonry materials close at hand.
- 4 Winter weather required an alternative to a liquid water repellent admixture.
- 5 The portability of the LOAD N GO silo keeps material close to crews.
- 6 SPEC MIX IWR Mortar solved the problem of freezing liquid admixture.

PHOTOS BELOW: A VIEW FROM THE NEW PLAYING FIELD TO THE GRANDSTAND (LEFT) AND A VIEW OF THE CURRENT STADIUM FROM THE CONSTRUCTION SITE OF THE NEW FIELD (RIGHT). THE CURRENT STADIUM WILL BE DEMOLISHED AT THE END OF THE 2005 SEASON AND BUILDING OF THE NEW STADIUM WILL CONTINUE OVER THE OLD SITE.

THE CHALLENGE

“THE MOST IMPORTANT THING FOR US WAS THE LOAD N GO DELIVERY SYSTEM. ... IF WE DIDN'T HAVE THEM, WE'D HAVE TO USE MORE LIFTING DEVICES TO GET THE MATERIAL TO THE MASONS. IT'S IMPERATIVE THAT THE MIXING STATION BE CLOSE TO OUR MEN. THAT SAVES US TIME AND HELPS US TO MEET OUR SCHEDULE.”

JEFF HART
PROJECT MANAGER
HEITKAMP MASONRY

Tradition is at the heart of baseball. So when a team replaces its stadium, fans may feel it's bittersweet. Therefore, it was important that the design of the new Busch Stadium in St. Louis, Mo., tie the history of the city and the Cardinal's legacy into a modern facility. The use of brick, concrete, exposed steel and glass bring old and new together to create a 21st century architectural statement.

Groundbreaking was held January 17, 2004. The new stadium will partially overlap the current ballpark, which will be demolished at the end of the 2005 season. Currently, construction is taking place to the south of the existing stadium.

This \$350 million stadium consists of 700,000 brick and about 1 million CMUs, requiring 1,400 bulk bags of SPEC MIX IWR Color Mortar, 2,250 bulk bags of SPEC MIX PCL Sand Mortar and 1,850 bulk bags of SPEC MIX Core Fill Grout, which totals 5,500 yards of masonry material. With a crew of 40 masons and 22 laborers, which will increase to 60 masons once the old stadium is demolished, working on four levels at once, it was important to Heitkamp Masonry to have high productivity and efficiency at the mixing stations and to have materials close to the crews.

The mason contractor also needed a water repellent mortar. Working during the St. Louis winter meant that a liquid admixture needed to be stored to keep it from freezing, which wasn't practical on this jobsite.

PHOTO ABOVE: SPEC MIX SILOS KEEP MASONRY MATERIAL CLOSE TO THE CREWS, WHICH ARE WORKING ON FOUR LEVELS. A TOTAL OF EIGHT LOAD N GO SILOS AND SIX G7000 SILOS ARE ON THIS PROJECT.

