

Earle Brown Elementary School

Brooklyn Center, Minnesota

PROJECT
PROFILE
004



**SPEC MIX® SCRATCH & BROWN
PREBLENDED STUCCO
(209 bulk bags)**

SPEC MIX® Scratch & Brown Preblended Stucco is a dry, preblended cement-based product designed to be used as the scratch and/or brown coat in a three-coat stucco application. This product also can be used as the first coat in a two-coat application for exterior stucco applications. The final wall system will produce a nonload-bearing aesthetically pleasing veneer or interior finish on concrete or masonry walls, stud walls or metal buildings.

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. (TXI), 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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Brooklyn Center, Minnesota

August 2004

PRODUCTS: **STUCCO SCRATCH & BROWN**

CONTRACTOR: **MINUTI-OGLE**

LICENSEE: **TWIN CITY CONCRETE PRODUCTS**

PRODUCTION SOLUTION FOR THE LARGEST AND ONLY COMPLETELY STUCCO-FINISHED SCHOOL IN MINNESOTA



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THE SOLUTION

Minuti-Ogle needed a way to speed up production. The solution was a SPEC MIX® Super Silo and bulk bags of SPEC MIX Preblended Scratch & Brown Stucco. The Super Silo, which holds 12-13 bulk bags of material, held the volume needed to pump the stucco from the silo onto the walls to a seven-eighths inch thickness with a Putzmeister plaster machine. The surface was then hand-troweled by a crew of 12 plasterers. At times, Minuti-Ogle was going through 15 bulk bags a day, and at the end of the job, had emptied a total of 209 bags.

By the end of July, the Scratch & Brown coat had been fully applied and troweled, and the finish coat was on by the end of August. Minuti-Ogle made their deadline, even working with a smaller than usual crew.

This was the first time Minuti-Ogle had used a SPEC MIX silo and preblended product. They were impressed by the increased production time. The workability and open time enabled them to spray stucco for a longer period of time before finishing the walls. Since the school project finished, Minuti-Ogle has used SPEC MIX preblended stucco products on several other jobs.

PROJECT BRIEF

- 1 The largest and only completely stucco finished school in Minnesota
- 2 Wet weather pushed stucco stage six weeks behind schedule.
- 3 First time for stucco contractor in using SPEC MIX silo and bulk bags
- 4 SPEC MIX Super Silo's capacity enabled pumping from mixing station
- 5 Surface hand troweled by a crew of 12 plasterers
- 6 Job finished by then end of August and in time for the first day of school.

PHOTOS BELOW: SPEC MIX® PREBLENDED SCRATCH & BROWN STUCCO IS MIXED FROM A SPEC MIX SUPER SILO THEN PUMPED FROM THE MIXING STATION TO THE WALLS. THE SURFACE IS HAND TROWELED BY A CREW OF 12 PLASTERERS.

THE CHALLENGE

In 2001, the city of Brooklyn Center passed a bond to expand their high school and replace the elementary school building. These improvements would help the school district to meet the requirements of the No Child Left Behind act and the future educational needs of the community. The new Earle Brown Elementary School was designed to create a welcoming village for the community and the students. The new building houses up to 1,000 prekindergarten through sixth-grade students and features a number of community-friendly areas, including a gymnasium and space for community education programs. The campus also includes a small amphitheater for teachers and visiting speakers to use as an outdoor classroom.

The Earle Brown Elementary School is the largest and only completely stucco finished school in Minnesota. Stucco contractor Minuti-Ogle were slated to begin the stucco process in mid-March, but wet weather pushed back the start date to May 1. It didn't look good for meeting the completion deadline. The Earle Brown Elementary needed to be ready to open for the first day of school on September 13, 2004.

"USING THE SPEC MIX® SILO SYSTEM AND PRODUCT, WE WERE ABLE TO MIX AND PUMP MATERIAL WITH TWO LESS LABORERS, WHICH CREATES A BIG COST SAVINGS TO OUR COMPANY. AND, BECAUSE THE PRODUCT WAS SO UNIFORM FROM BATCH TO BATCH, WE ELIMINATED A TON OF DOWNTIME!"

*SCOTT PANEK, G.M.
MINUTI-OGLE*

PHOTO ABOVE: TO INCREASE PRODUCTION TIME, THE SPEC MIX® SCRATCH & BROWN STUCCO WAS PUMPED FROM THE MIXING STATION TO THE WALLS. THE STUCCO WAS APPLIED TO A SEVEN-EIGHTHS INCH THICKNESS.

