



## CASE STUDY:

### TUFFLOOR Large Iron Foundry

#### EQUIPMENT

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Large Iron Foundry

#### PRODUCT

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50,000 lb (22,680 kg) of TUFFLOOR

#### APPLICATION

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- Two, 10-ton coreless furnaces pits
- A 70-ton channel furnace pit
- A 7.5-ton pressure pour furnace pit
- Protection of 5 support columns for coreless furnace launders
- Aisle ways

#### INSTALLATION

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- TUFFLOOR mixed with minimal water to prevent slumping
- Pump cast installation of furnace pits
- Shotcrete furnace pit walls and support columns
- Application thickness varied from 6 to 10 inches (15 to 25 cm)

#### RESULTS

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- Spall resistant flooring
- TUFFLOOR was more cost effective than using brick
- Steel support columns were insulated with TUFFLOOR to prevent molten metal splash from destroying column integrity.
- Proven success. This foundry has used TUFFLOOR for over a decade. Positive results have included lower floor maintenance costs, improved safety conditions and less overall downtime



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Allied Mineral Products, Inc. supplies an entire line of monolithic refractories for the metals industry. For more information or a complete evaluation of your refractory requirements, please contact your local Allied representative.

