NITROcrete

PROJECT PROFILE

BAY STREET, CIBC SQUARE TOWERS

PROJECT

- 77°F / 25°C
- Two center core wall structure towers
- **49 and 50 stories** each, with total 270,000 square meters (2.9 million square feet)
- Customer: international ready mix producer

SUMMARY

In Toronto's busy financial district, NITROcrete[™] managed temperature for high performance, mass concrete with **zero rejected loads.**

CHALLENGE

- Mass concrete, high performance mix design (80MPa/11,500 psi)
- Towers straddled a **busy railway corridor**; construction required minimal impact on downtown
- Long, unpredictable transit times into an urban city center heavily trafficked with vehicles and pedestrians
- Locally produced cement resulted in abnormally high temperature at batch plant
- Project aims for LEED Platinum certification

NITROcrete[™] ADVANTAGE

- Zero rejected loads
- Same low temperature registered at plant & onsite, despite city traffic
- Concrete held temperature longer, allowing the customer to meet stringent specs
- Only cooling solution possible for the demanding mix design

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