

## 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**.

TORONTO, ONTARIO

### 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**

Same low temperature measured at plant & onsite

### 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