RAPIDtect™

High early-strength concrete

FASTER STRENGTH, ACCELERATED TURNAROUND TIMES

RAPIDtect is our high-early-strength concrete that is designed to reach specified strength sooner, delivering rapid performance gains that improve on-site productivity and help you stay on schedule.

Project Application

RAPIDtect is a ready-mix concrete that allows for the acceleration of formwork rotation and the lifting of load-bearing concrete elements.

- The construction of floors, walls, columns, beams, and precast operations
- Flatwork applications where a fast-track construction process is required
- Civil engineering projects where a quick turnaround time is required

Primary Features

- Mixes can be designed to achieve between 75 – 100% of their 28-day compressive strength within 24 hours, depending on mix design and site conditions
- High early strength for improved turnaround time and productivity
- Rapid strength gain enables the quicker removal of formwork for concrete at temperatures greater than
- +10°C / 50°F and ambient air temperatures as low as those experienced in extreme winter conditions
- Flexibility of construction schedules in relation to the rotation of formwork
- Workability ranges between 60-120 minutes from batching to placement*
- Contractors can significantly increase the number of daily rotations for walls, columns, slabs-on-grade, and grade beams
- Can be custom-designed for project-specific needs

*Slump range typically between 120 to 180 mm

RAPIDtect is part of EVERtect™, the high-performance concrete range

AMRIZE

BUILD YOUR AMBITION

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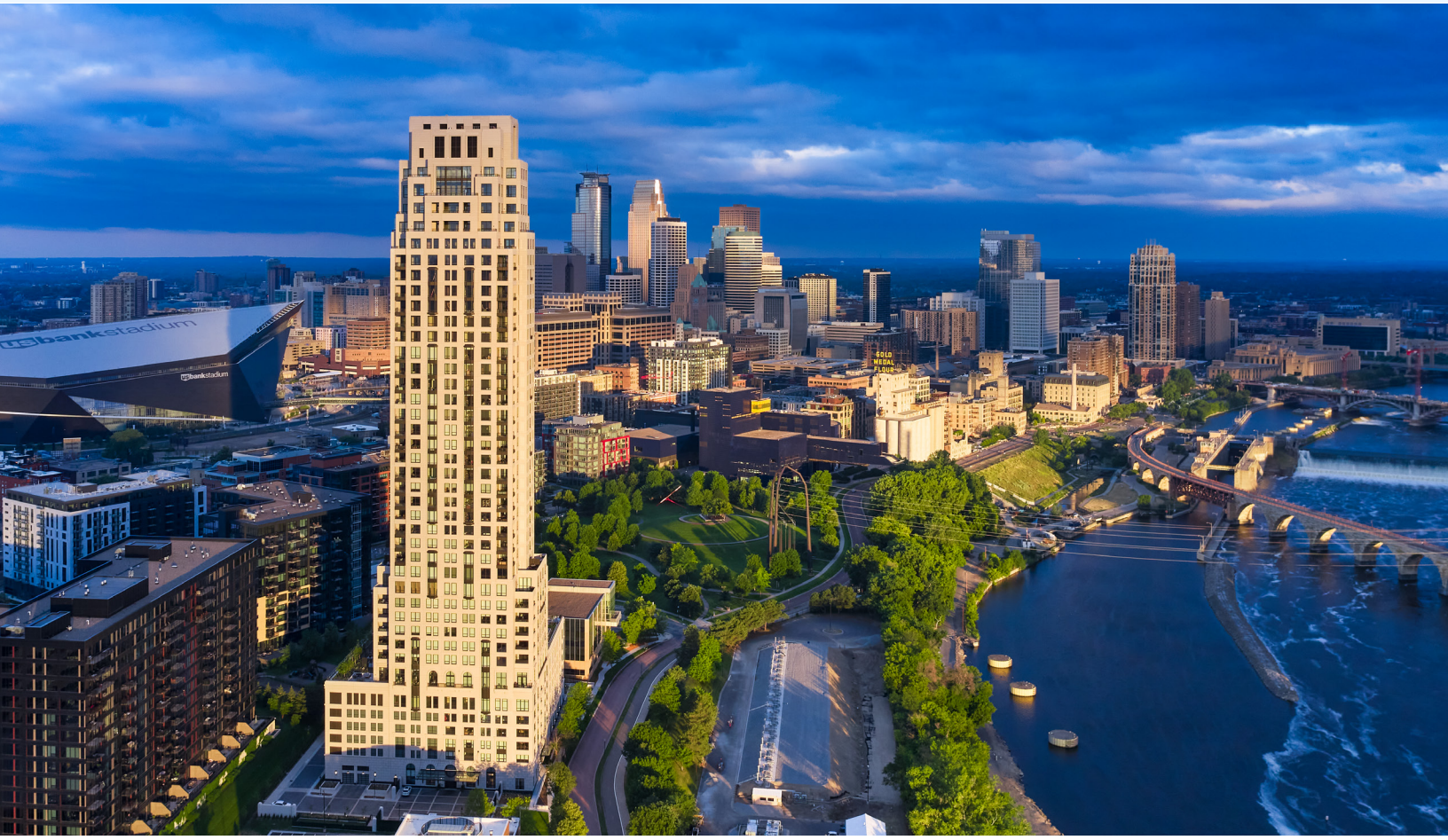

Additional Information

RAPIDtect mixes are engineered to develop 20 to 35 MPa within 24 to 72 hours with a minimum temperature of 20 °C / 68 °F and curing as per CSA requirements

RAPIDtect gains sufficient strength within the structure to support its own weight 2 to 3 hours after placement (up to 4 hours after the concrete is batched).

After appropriate on-site checks, the formwork can be removed, provided the structure is not exposed to lateral stresses. These strengths are dependent on the concrete temperature being at 10°C/ 50°F and ambient air temperatures as low as those experienced in extreme winter weather conditions.

Mixes can be designed for both interior and exterior applications.