

Eifers™

High-Strength Rapid Set Concrete
Product Statement





THE CRITICAL INGREDIENT WHEN TIME IS OF THE ESSENCE

High-Strength Rapid Set is your first choice material for time-sensitive concrete works for civil construction and critical infrastructure projects.

High-Strength Rapid Set concrete delivers structural strength of 20MPa in just one hour, and its durability and low shrinkage make it far superior to ordinary portland cement, especially for time-critical applications. High-Strength Rapid Set is a fast-setting concrete ideal for projects that require quick turnarounds and minimal disruption.

What is High-strength Rapid Set?

High-Strength Rapid Set is a superior performance, rapid hardening hydraulic cement that can be used to create concretes, mortars, and grouts that achieve structural strength in one hour. **Engineered for low shrinkage and superior resistance to chemical attack, High-Strength Rapid Set maximises service life and minimises maintenance.** It is a calcium sulfoaluminate (CSA) cement, which provides it with properties that make it faster setting and more durable than regular portland cement.



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What can it be used for?

Eifers has successfully used High-Strength Rapid Set for airport taxiways and runways, freeway and arterial road slab replacements, public transport commuter interchanges and stops, and many other projects. **It is ideal for a diverse range of interior and exterior projects** including but not limited to:

- Roads
- Bridges
- Runways
- Tunnels
- Tilt-up
- Precast
- Sidewalks
- Floors
- and many other applications

WHAT ARE ITS BENEFITS?

Environmental

Reduce your project's carbon footprint and **lower your environmental impact** by using High-Strength Rapid Set. Production of High-Strength Rapid Set cement emits far less CO2 than conventional portland cement.

Speed

Fast setting, High-Strength Rapid Set achieves drive-on strength in just one hour and is at full strength **within 24 hours** compared to portland cement, which takes up to 24-72 hours to achieve drive-on strength and a month to achieve full strength.

Durability

High-Strength Rapid Set's properties **maintain structural utility** for up to 4x as long as portland concrete, which makes for longer service life with fewer replacement requirements. Its low-shrinkage qualities significantly reduce defective tendencies such as cracking.

Cost savings

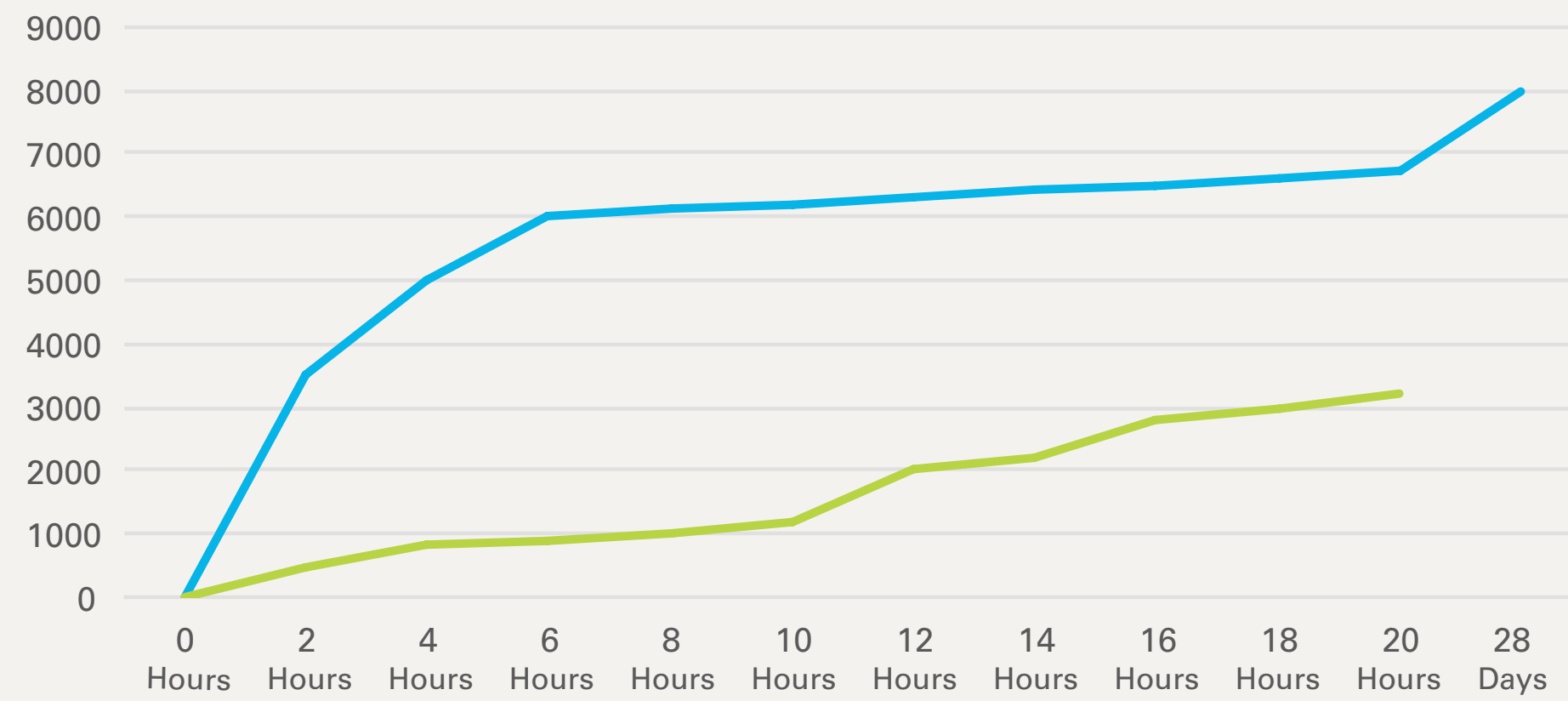
Faster pours mean reduced on-site work times, which results in **significant savings** on line items like road traffic management, enabling you to achieve substantially lowered total project costs.

Convenience

High-Strength Rapid Set enables projects to be completed sooner, allowing for **minimal disruption to vital services** and a quicker return to business as usual.

PHYSICAL PROPERTIES

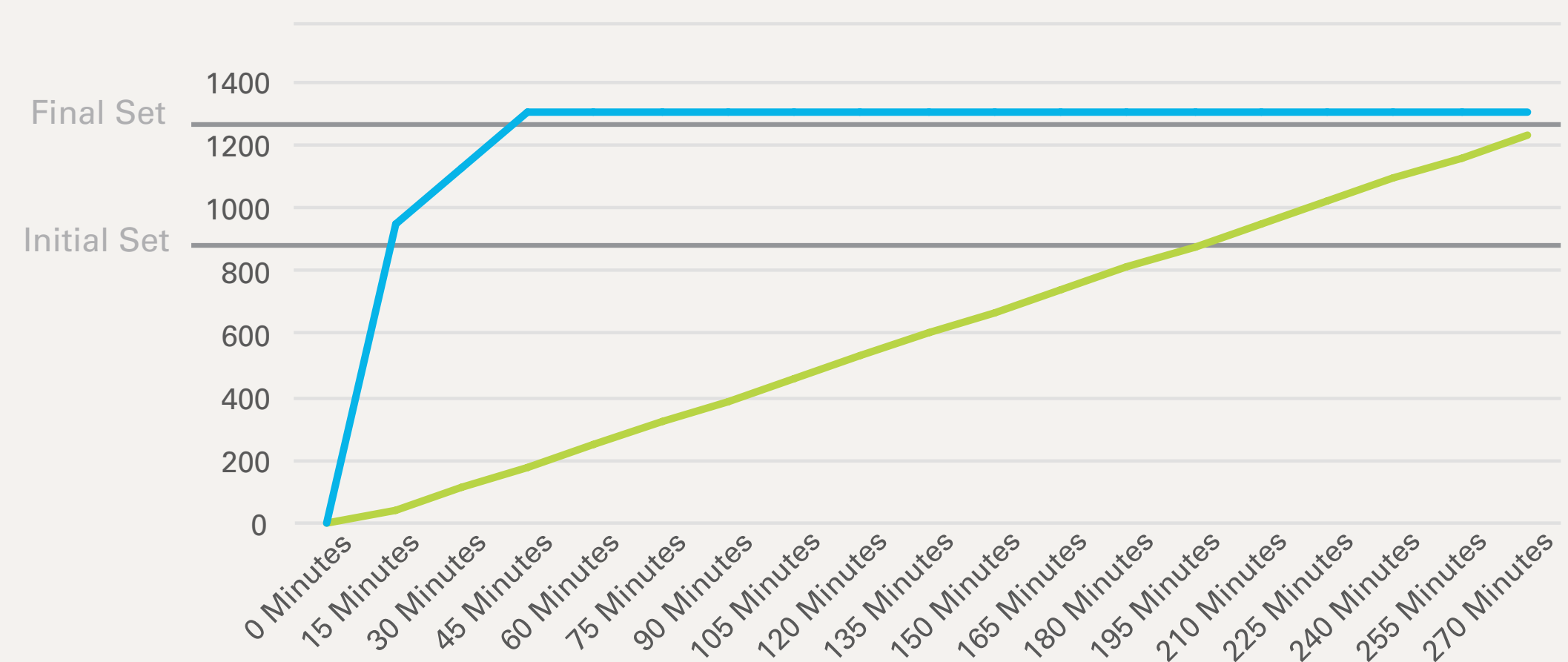
Strength (PSI)



ASTM C109 (Mod.)
 Comprehensive Strength, PSI
 1.5 hours = 2500, 3 hours = 5000, 24 hours = 6500, 28 days = 8000

- High-Strength Rapid Set concrete
- Portland cement concrete

Speed



ASTM C109 (Mod.)
 Set Time: Initial Set = 15 Minutes; Final Set = 35 Minutes

Why use Eifers for High-Strength Rapid Set concrete?

Eifers are the experts in time-critical civil construction works, with a specialised focus on rapid deployment concrete technologies. As an approved Australian contractor using High-Strength Rapid Set products, you know you're in safe hands with Eifers. **We have the materiality, machines and methodologies to help you complete your project sooner** using High-Strength Rapid Set. We've utilised the fast-setting properties of High-Strength Rapid Set for time-sensitive projects including roads, runways and other critical infrastructure. Eifers can also supply bagged High-Strength Rapid Set products in smaller quantities for all project sizes.



Eifers is a family-owned Australian company with an agile and innovative approach to civil construction.

Founded by the Eifermann family in 2003 Eifers grew from a small business base to a company focused on civil construction and critical infrastructure works. Eifers stands apart by being the experts in time-critical concrete, providing services to public and private sector clients across industries and environments including airports, roads, rail, urban development and utility infrastructure. Eifers utilises materiality, machines and methodologies to complete works faster and safer, giving clients value for money results.



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