

DYNAMax

THE ULTIMATE PERFORMANCE CONCRETE

**THE NEW
DIMENSION IN
BUILDING WITH
CONCRETE**



BUILD MORE WITH LESS

Leave limitations behind and bring your boldest visions to life! Push the boundaries of engineering design to achieve new dimensions in building with the high strength, outstanding durability and superior rigidity of DYNAMax.

As the world population continues to escalate, so does the need for more housing and more infrastructure. And in the United States, there's tremendous growth in metro area developments thanks to increased cost of living driving a population shift from coastal regions inward.

Environmentally friendly products and construction are essential for the eco-balance of buildings. At the same time, natural resources must be conserved—land is scarce and financial resources are limited.

Following the principle of “build more with less,” DYNAMax provides answers to meet today’s challenges in building construction and infrastructure. As a high-performance concrete, DYNAMax leads to lower project and construction costs, an overall reduced use of resources and longer service life.

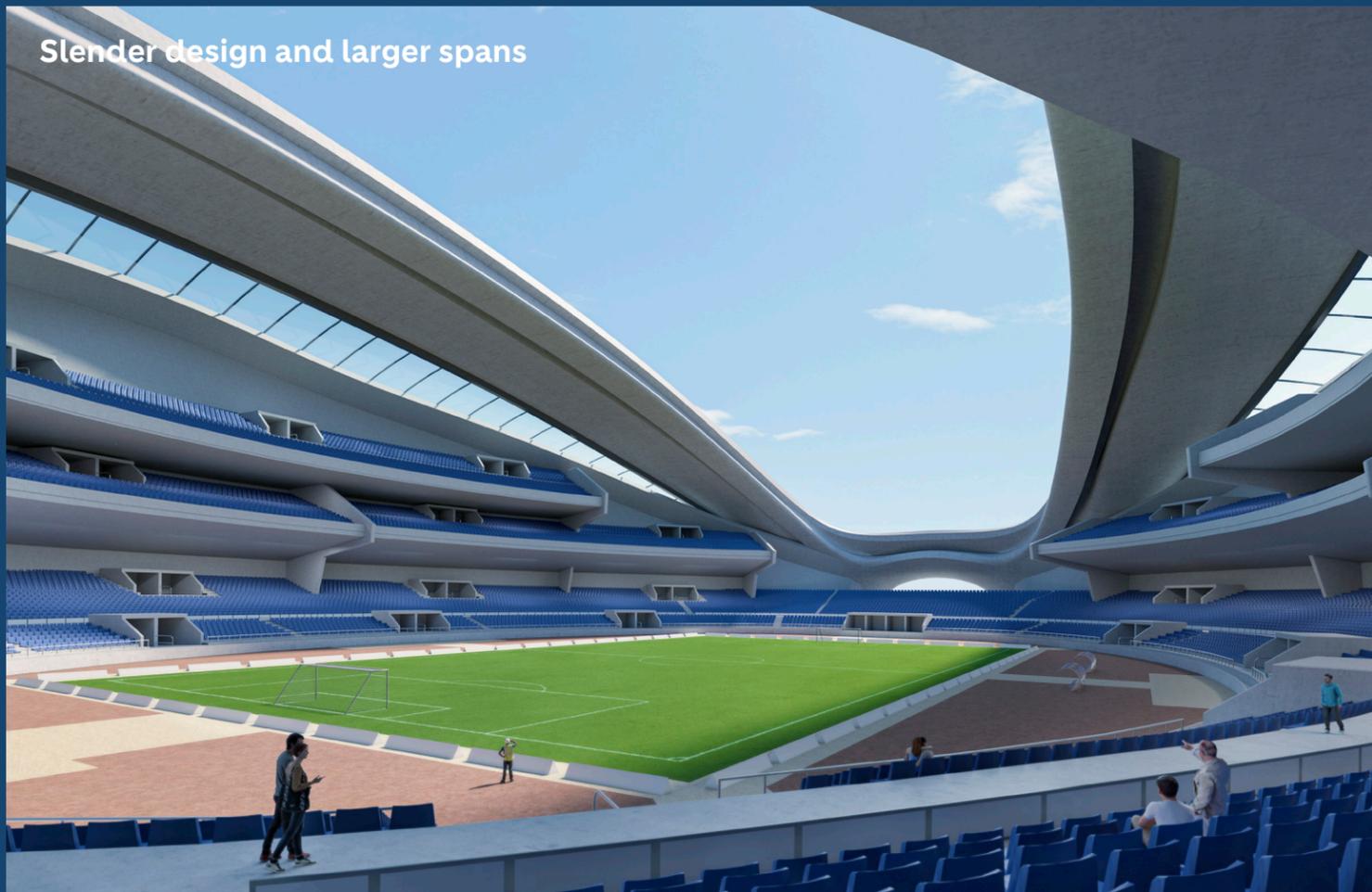


HIGH STRENGTH
8000 to 17000 psi

OUTSTANDING DURABILITY
max. 750 Coulombs

SUPERIOR RIGIDITY
min. 5800 ksi

Slender design and larger spans



DYNAMAX PRODUCT BENEFITS



MORE DESIGN FREEDOM AND SPACE

- Higher stability and longer spans are achieved by very high compressive strengths, superior rigidity and a high E-Modulus.
- More usable space with the same building volume allows for increased number of floors or floor heights.
- High design freedom enables more functional and appealing structures.



SUSTAINABILITY AND DURABILITY

- DYNAMax helps reduce the overall carbon footprint of your building. High-performance concrete means less material has to be produced and transported to achieve the same exceptional performance.
- Excellent corrosion resistance and outstanding performance of exposed concrete components allows resistance to extreme weather events, reduced maintenance costs and longer service life.



JOB SITE OPTIMIZATION

- The same working processes as conventional concrete with excellent pumping properties.
- Reinforcement design optimization.
- Faster and more effective construction processes expedites completion of the building, reduces workforce requirements and improves working conditions on the construction site.

iCONCrete

Digitally Unlock Performance

INTEGRATION WITH iCONCRETE

For additional job site optimization, use the exclusive Holcim iCONCrete technology with DYNAMax. iCONCrete digitally unlocks performance by providing full control of and confidence in concrete performance, even in the most complex and technically demanding projects.

iCONCrete helps job site performance by:

- Enhancing the speed and quality of decision-making to increase construction quality and durability.
- Providing the optimal choice of pump for an uninterrupted and efficient pumping process without costly real-size mock-ups.
- Ensuring pumping feasibility in complex situations.
- Optimizing the concrete mix design to reduce the pumping pressure.

BUILDING PROGRESS FOR PEOPLE AND THE PLANET

Visit holcim.us/dynamax for more information.

