



EUCLID CHEMICAL

## PROJECT PROFILE

# MSG SPHERE, LAS VEGAS



### PROJECT DATA

- Location** – Las Vegas, NV
- Application** – Fiber Reinforcement
- Engineer** – Severud Associates
- Architect** – Populous Architects, P.C.
- General Contractor** – AECOM Hunt
- Concrete Contractor** – M.J. Dean Construction, Inc.
- Concrete Producer** – Nevada Ready Mix

### PRODUCTS FEATURED

- TUF-STRAND™ SF**  
Synthetic Macrofiber

### SCOPE OF PROJECT

Approximately 2,000 yd<sup>3</sup> (1,530 m<sup>3</sup>) of Tuf-Strand SF in topping slabs on walkway decks



Photo courtesy of msgsphere.com

### PROJECT SUMMARY

The MSG Sphere is an entertainment arena at the Venetian Resort in Las Vegas, NV, reaching a height of nearly 400 ft (122 m). With a completion date of 2023 and covering 18 acres outside of the Las Vegas Strip, the 17,500-seat auditorium will be the first of its kind, offering the unique visual experience of massive wrap-around LED screens on the inside and outside of the venue. To withstand the crowd capacity and immense amount of technological equipment, the engineer and architect chose to reinforce the 2,000 yd<sup>3</sup> (1,530 m<sup>3</sup>) of concrete topping slabs with Euclid Chemical's TUF-STRAND SF synthetic macrofiber at 5 lb/yd<sup>3</sup> (3 kg/m<sup>3</sup>). Fiber reinforcement also ensured for faster and safer construction while providing the required strength and crack control for this job.