



# HOLLOWCORE STRUCTURAL FLOOR SYSTEM



## DISCOVER THE LAFARGE ADVANTAGE

The Lafarge Hollowcore Structural Floor System is the ideal building solution for building projects where a suspended solid floor or roof system is required. Combining strength and safety, Our Hollowcore System is designed to span between load bearing walls or to span from the building core to exterior walls, giving designers column-free spaces for endless design flexibility.



## WHY HOLLOWCORE?

Lafarge Hollowcore structural slabs are widely used in multi-storey apartment buildings, hotels and nursing homes where the repetitive use of standard components manufactured in a controlled environment can be fully utilized.

Building residents will appreciate the reduced sound transmission and vibrations between floors thanks to Hollowcore. Building owners will appreciate the unmatched durability, thermal mass and speed of construction that Hollowcore can offer. Owners and developers are discovering that for multi-storey residential projects, Hollowcore floor slabs can contribute in a significant way to getting projects finished faster, generating revenue sooner, and maintaining quality and value for years to come.

## FEATURES & BENEFITS

### LOW MAINTENANCE & MOLD RESISTANCE

More so than any other structural system, precast concrete's durability and resistance to rodents, decay, mold and mildew offers owners lower maintenance and insurance costs.

### STRONG & LIGHTWEIGHT

Without compromising floor loading capacity, Lafarge Hollowcore slabs are 40-50% lighter over conventional reinforced concrete slabs of the same dimensions.

### FIRE & NOISE RESISTANCE

Lafarge Hollowcore slabs offer remarkable fire resistance. Depending on slab thickness and strand cover, fire ratings of up to 4 hours are possible. Without toppings, sound transmission class ratings for Hollowcore range from 50 to 57 STC, while this can be increased to over 70 STC with the addition of resilient topping materials, such as carpet.

### DESIGN FLEXIBILITY

Precast Hollowcore slabs make long clear spans possible, offering remarkable flexibility to designers. Our Lafarge Hollowcore Structural Floor System is available in 8, 10 and 12-inch deep slabs. Without intermediate supports, these slabs can span up to 30, 40 and 50 feet respectively.

### YEAR ROUND CONSTRUCTION

Hollowcore slabs can be produced and erected year round eliminating the risk that poor weather conditions can pose on project schedules.

