



MASS TIMBER VS. TRADITIONAL METHODS: COMPARISONS AT A GLANCE

Design decisions today impact cost, schedule, and carbon for the next 50 years.

SPEED TO MARKET:

INSTALL RATES & PROJECT TIMELINES
(10,000 sq ft floor plate & 100,000 sq ft building)

MASS TIMBER

5-7 days/floor
12-14 months

STEEL

7-10 days/floor
14-16 months

CAST-IN-PLACE CONCRETE

8-12 days/floor
16-18 months

LABOR REQUIREMENTS:

CREW SIZE (typical floor installation)

MASS TIMBER



8-10 WORKERS

STEEL



12-14 WORKERS

CONCRETE



15-18 WORKERS

CONSTRUCTION WASTE

MASS TIMBER

5-10%
material waste

STEEL

10-15%
material waste

CONCRETE

15-20%
material waste

CARBON FOOTPRINT

MASS TIMBER

-25 TO -35 kg CO₂
(negative CO₂ values reflect carbon sequestration in the wood)

STEEL

+75 TO +85 kg CO₂

CONCRETE

+65 TO +75 kg CO₂

WEIGHT COMPARISON

MASS TIMBER FLOOR

20-25 lbs/sf

STEEL FLOOR

35-40 lbs/sf

CONCRETE FLOOR

80-85 LBS/SQ FT

SITE TRAFFIC (DELIVERY)

MASS TIMBER

25-30% Fewer Deliveries

STEEL

Base Comparison

CONCRETE

40-50% More deliveries

KEY TAKEAWAYS

What this means for your project:

- Faster installs = quicker ROI
- Smaller crews = fewer trade conflicts
- Lower carbon = stronger sustainability profile

Need help evaluating mass timber
for your next project?

www.QualityBuildings.com