INSULATED CONCRETE FORMS FOR FLOORS AND ROOFS



CONCRETE BUILDING SOLUTIONS

Advantages for Owners

Durable & Sustainable

Long-term building durability; life-cycle measured in centuries Reduced HVAC requirements, heating and cooling costs Lower life-cycle costs High thermal mass properties; ideal for passive solar designs

Quiet, Healthy, Safe & Comfortable

High STC ratings; deadens sound transmission Minimum 2hr. Fire Resistance Rating under USA and Canada standards Minimized air infiltration - no allergens, improved indoor air quality Inert material; does not support the growth of mold or mildew Not a food source for insects Perfect for in-floor radiant heating More consistent indoor temperatures Superior protection against catastrophic events - ideal for Safe Rooms

Advantages for Contractors & Architects

Fast & Flexible

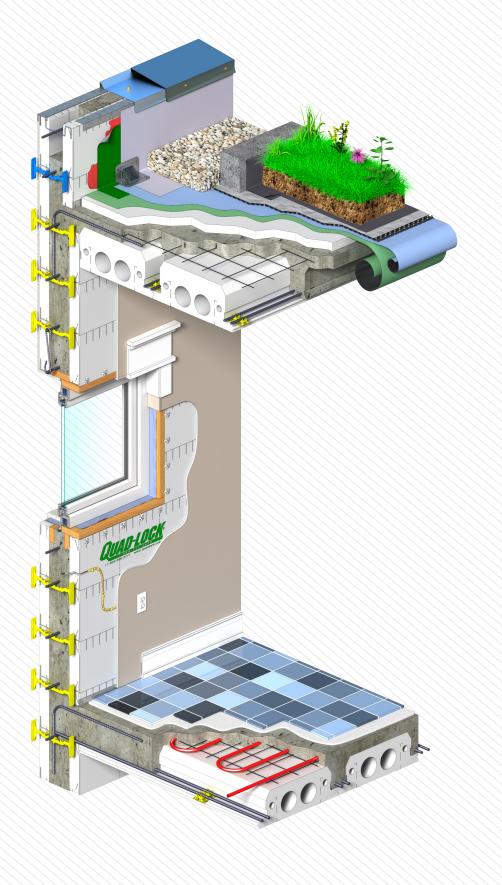
Delivered pre-cut to length - ready for installation Lightweight, easy to handle - no formwork to be stripped Up to 35' [10.7m] clear spans Available in 7" to 121/2" [178mm to 318mm] EPS Top Hats allow for even greater spans Ideal for use in parking structures Easily integrates with Quad-Lock ICF wall system Rigid panels eliminate 50% of conventional formwork

Lightweight

Reduces floor mass dead load by up to 50% Reduces structural requirements for foundations and walls Lighter structure is less theatened by severe earthquake and wind conditions

Reduce Costs

No to minimal site waste Uses less concrete & steel compared to traditional concrete slab High R-Values (R-16 to R-25); Low RSI-Values (U-0.35 to U-0.23)



Each of the expanded polystyrene (EPS) panels are supported and reinforced with two integral steel beams molded into the product from end to end. The result is a rigid joist and deck forming system that provides the maximum strength of a reinforced concrete deck with minimum added forming materials and labor.

The Quad-Deck Living Green Roof

to a wood joist roof

runoff management

Ideal for use in both commercial and residential construction. Quad-Deck combines the strength, security, and reliability of concrete with the energy efficiency, design flexibility and comfort of insulating concrete forms. Quad-Deck creates energy efficient and sustainable insulating concrete floor and roof system.

How Quad-Deck Works

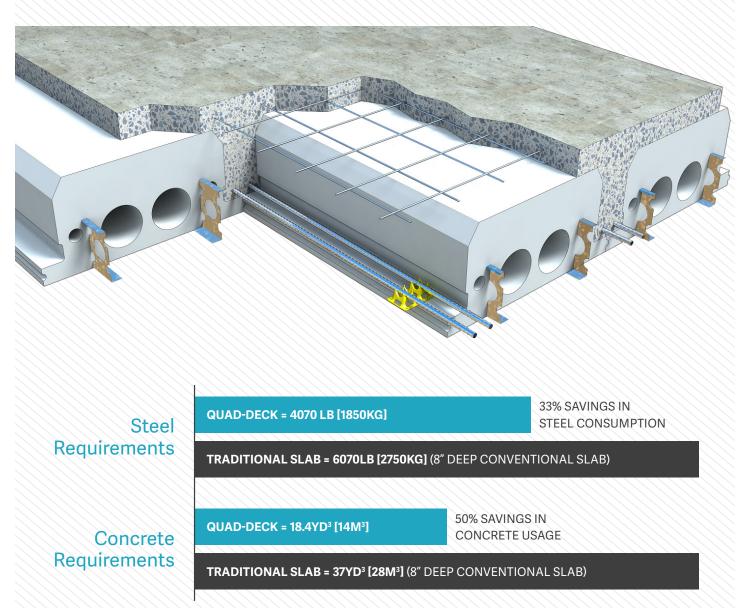
- Quad-Deck is an ideal substrate for living Green Roofs providing long spans and high load capacity.
- Using Quad-Deck rather than traditional slab will add less mass to the building structure, reducing overall construction costs
- Much less susceptibility to water damage, rot, mold or mildew far superior
- Quad-Deck Green Roofs contribute to lower appetite for energy with high insulation, high thermal mass and no air infiltration as well as lower heating & cooling costs, energy use, and CO, emissions
- Green Roofs extend the life of your building by providing protection from the daily temperature changes to the roof membrane
- Green Roofs are ideally suited for LEED certified projects and for water

The Quad-Deck Advantage

The Quad-Deck Benefit

Quad-Deck 1-Way Slab

11" [280mm] Quad-Deck + 2.5" [63mm] Slab @ 50 psf [2.4 kN/m²] Live Load



BY REDUCING YOUR STEEL & CONCRETE REQUIREMENTS WITH QUAD-DECK, YOU ALSO REDUCE YOUR MASS BY OVER 50% AND USE 50% LESS SHORING.

QUAD-LOCK BUILDING SYSTEMS A. 19402 - 56 AVENUE, SURREY, BC, V3S 6K4 P. 888.711.5625 E. INFO@QUADLOCK.COM

VISIT **QUADLOCK.COM** FOR MORE INFORMATION

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March 2023 [PUB. #QDC-02]