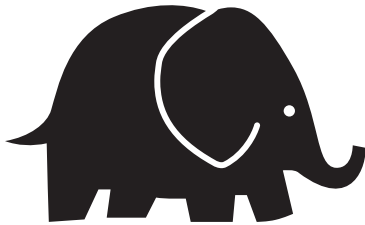


2012 Winner!



PRIMEKSS

PrimeComposite Slab on piles

... durable and tough concrete with a large amount of steel fibers

Concrete is strong under compression, but brittle under tension or flexion. The PrimeComposite technology developed by Primekss produces concrete that is so strong and tough that floors built using it are not only more durable and almost crack-free, but are also economical to build, as the very tough concrete allows for thinner designs.

... slab on piles

PrimeComposite concrete is fully structurally load bearing with free spans up to 6 meters (20 feet) or more distance between the piles.

Our Slab – on – pile systems bring multiple benefits to the end user:

- a jointless surface: shrinkage joints in the floor are like potholes on the road slowing down traffic. PrimeComposite is jointless in areas up to 6000 m² (650000 sq ft)
- economical, rational and reliable floor construction on weak subsoil; almost no cracking at all
- no detrimental effects of shrinkage
- fast construction: up to 6000 m² per shift with no downtime for installation of steel bar reinforcement;
- increased possibility of building heavy construction on weak subsoil; stiffer slab showing less deformation OR fewer deformations
- floor without additional traditional reinforcement;
- durability, longevity of floor;
- reduced long-term maintenance costs ;
- long-term profitability;
- increased market value of the building;
- up to 50% lighter construction if compared to traditional slab-on-piles designs.

... economical and very durable

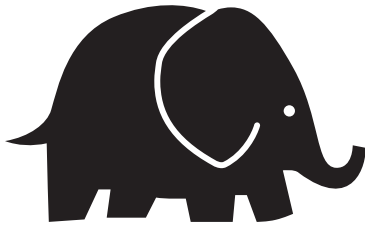
Floor on piles is usually the most economical and best solution in cases where the construction is done on weak subsoil, for example, boggy areas or non-loadbearing or damaged subsoil. The floor is very durable, and has therefore been widely used in industrial buildings requiring a floor of high load-bearing capacity.

... ecology

The concrete industry is responsible for 5% of global CO₂ emissions. Building floors with PrimeComposite produces up to 50% less CO₂ than usual.



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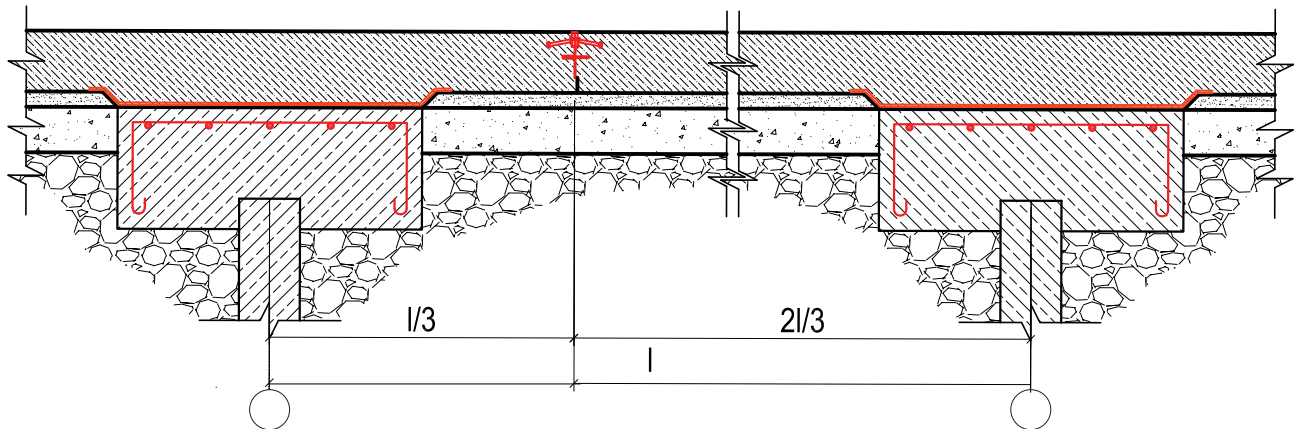


PRIMEKSS

PrimeComposite Slab on piles

Product technical table

Material properties of PrimeComposite	Compressive strength class (after 90 days measured at defined prisms acc. to EN 13892 – 1)	C _{35/45}	Modulus of elasticity, GPa (ksi) (BS EN 1992 – 1 – 1)	34 (4931)
	Flexural plastic tensile strength, MPa (ksi) (derived from plate tests according to SIA 16216)	2,3 – 3,1 (0,33 – 0,45)	Steel fibers tensile strength, MPa (ksi) (grade A steel fibers)	1000 – 1600 (145 – 232)
Chemical resistance/ Exposure conditions	Corrosion induced by carbonation (DIN – EN – 206 – 1)	XC ₄	Freeze / Thaw attack (DIN – EN – 206 – 1)	XF ₃
	Corrosion induced by chlorides from sea water (DIN – EN – 206 – 1)	XD ₂	Water resistance (DIN – EN – 206 – 1)	W ₆
	Chemical attack (DIN – EN – 206 – 1)	XA ₂	* Values listed in table are for typical indoor applications. * Product characteristic values can be adjusted to specific design requirements.	
	Jointless , flat surface area	6000 m ² (65000 sq ft)	* Deflections of the floor are designed to be less than 1/1000 of the span length at service load conditions.	
	Surface (Wear resistance with PrimeTop 5kg/m ² according to DIN – EN – 206 – 1)	XM ₃	* Span/ Slab depth ratio up to 23. * Subgrade must pass proofrolling test with fully loaded truck.	



PrimeComposite is offered worldwide.
Technology licensing opportunities for select qualified contractors available.

