

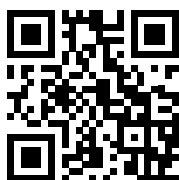
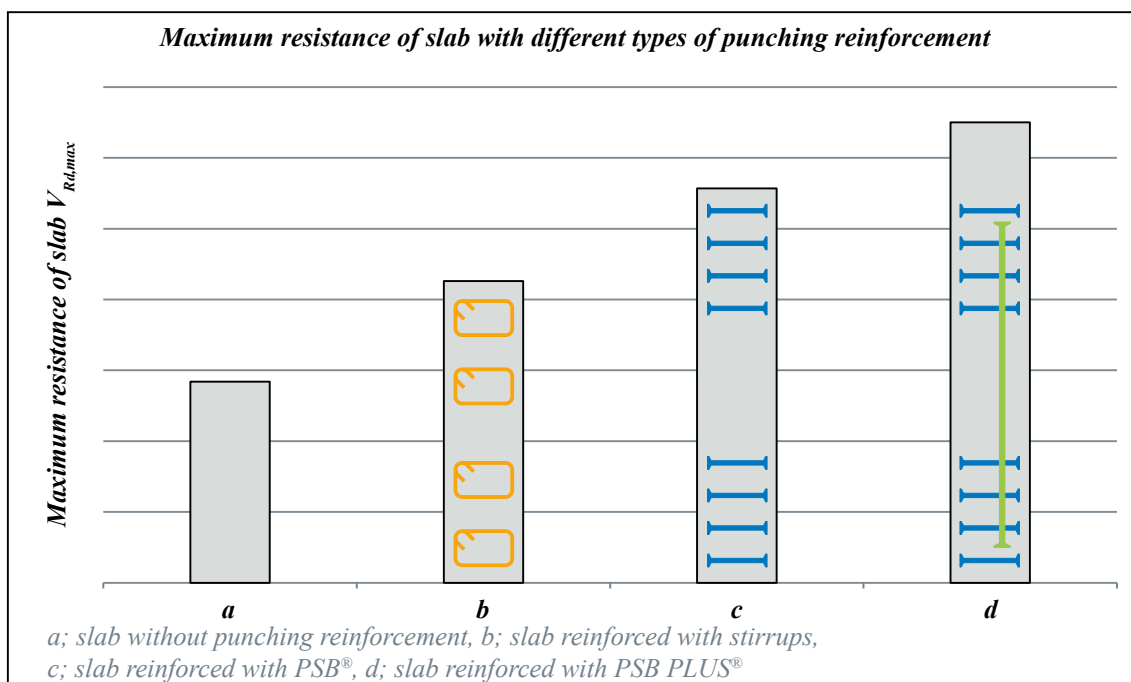
# PSB PLUS®

## High Capacity Punching Prevention System

- High punching shear resistance
- Reliable tested design
- Cost-efficient concrete construction
- Standardized elements pre-assembled in factory

PSB PLUS® system is a new solution for reinforcement of reinforced concrete flat slabs against punching shear failure. PSB PLUS® is a combination of vertical PSB® studs with horizontal PSH studs. This solution allows a flat slab higher resistance than what can be achieved when reinforced with PSB® studs only.

While the performance provided by vertical PSB® studs only is sufficient for a cost-efficient design of the most common layouts of flat slab structures, in some cases (e.g. composite columns with small dimensions) higher resistances may be required. The traditional solution is combining the PSB® studs with massive steel mushrooms. PSB PLUS® allows resistances comparable to those of such steel mushrooms while being significantly lighter thanks to a unique design. PSB PLUS® is thus a cost-efficient and practical solution for flat slabs subjected to extreme loads.



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