

PROLIMIT

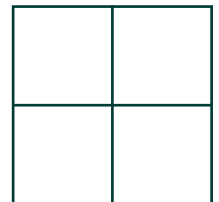
Structural fiber-reinforced concrete for shrinkage-compensated pavements.



Concrete manufactured with Susterra cement, with a lower carbon footprint, reducing its CO₂ emissions by up to 25% compared to products manufactured with current type I cement of the same strength category.

PROLIMIT is a high-performance concrete without limits that contains structural fibers in its composition, in accordance with Annex 7 of the CodE "Recommendations for the use of fiber-reinforced concrete". This concrete achieves characteristic compressive and residual flexural tensile strengths without having to use single or double reinforcement and being able to reach large surfaces minimizing joints and cuts in the pavement.

With PROLIMIT, a new concept of pavements of the future without limits is born, being able to execute slabs of up to 225 m² and without conventional reinforcement.



Slabs of
225 m²



Advantages

EFFICIENT: It greatly facilitates placement on site as it does not explicitly require concrete pumping or the prior assembly of reinforcement.

QUALITY: PROLIMIT complies with the desired strength and correct placement. The proposed consistency avoids the addition of water on site to the concrete as well as ensuring its good workability. We guarantee residual strength of the concrete.

SAFE: The elimination of reinforcement facilitates working on safer and more stable surfaces. It also saves on ergonomic positions and safety when placing electrowelded mesh.

COST SAVINGS: Faster placement, elimination of reinforcement and reduction in the number of cuts in the pavement (e.g., forklift passage).

MULTIPLE FINISHES: The final finishes of PROLIMIT are the classics of concrete pavements: power troweled, polished by mechanical means, etc.

Camp d'aplicació

- Exterior and interior pavements.
- Pavements for industrialized warehouses that need fewer cuts.
- Pavements for parking lots.
- Urban paving.
- Public works.

Application system

- PROLIMIT is applied in fluid or liquid consistency and always by specialized Molins teams.
- The subbase must be of quality and well compacted to ensure a good base for the concrete.
- PROLIMIT requires an acceptable external curing of 4 days, with continuous watering of the entire surface.
- The behavior of PROLIMIT is that of a conventional concrete. Its main application is by direct pouring, although it can also be pumped.
- If for aesthetic requirements the concealment of fibers is necessary, a surface treatment is recommended.

With Prolimit, cuts in the pavement are minimized. Its formulation using structural polymeric fibers allows avoiding the use of reinforcement, creating continuous and aesthetic high-performance surfaces of up to 225 m².

Maximum aggregate size	10 - 20 mm
Consistency	Fluida - Líquida
Compressive strength (28 days)	> 25 , 30 , 35 Mpa
Minimum thickness*	>15 cm
Environments	Adaptable to CodE specifications.

*For lower thicknesses, a prior study is required.

