



MASTER®
» BUILDERS
SOLUTIONS

MasterPel SP

**Surface Treatment of
Manufactured Concrete
Elements**

Master Builders Solutions

As Master Builders Solutions, we are a leading global producer of responsible solutions for the construction industry, focussed on delivering our vision: **Inspiring people to build better.**

We provide value-added technology and market-leading R&D capabilities to improve the performance of construction materials and to enable the reduction of CO₂ emissions in the production of concrete. The comprehensive portfolio under the Master Builders Solutions brand encompasses concrete admixtures, cement additives, and solutions for underground construction.

We collaborate across areas of expertise and regions and draw on the experience gained from countless construction projects worldwide, leveraging global technologies, as well as our in-depth knowledge of local building needs, to develop innovations that help make you more successful and drive sustainable construction.

Founded in 1909, Master Builders Solutions operates 35 production sites globally, supporting you in mastering your building challenges of today and tomorrow – for a decarbonised future.



MB-PeI SP

Optimized Surface Treatment of Pavers

Concrete block pavers, with their variety of shapes and colors, are an element of the urban architecture and can largely contribute with their beauty to the appeal of a location.

Master Builders Solutions offers a range of products for the surface treatment of concrete paving elements, that enhance their beauty and help to preserve it. Thanks to the application of MB-PeI SP on the surface, colored concrete paving solutions can claim more strongly their role as alternative to natural stone.

Product benefits at a glance		MB-PeI SP 4000	MB-PeI SP 5000	MB-PeI SP 6000
	Improved color brilliancy	****	*	****
	Anti-efflorescence	****	—	***
	Hydro-repellency	***	****	****
	Oil-repellency	*	****	**
	Anti-soiling	*	****	***
	Easy-to-clean effect	*	****	***

*=mild

**=good

***=very good

****=excellent

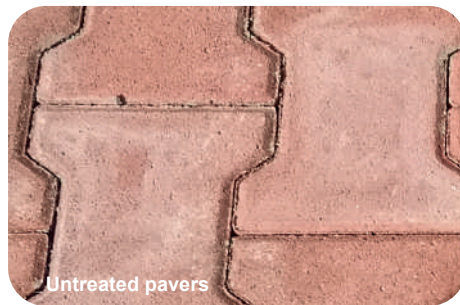
See the Difference

Pavers treated with MB-Pel SP (right) in comparison to untreated pavers (left) *



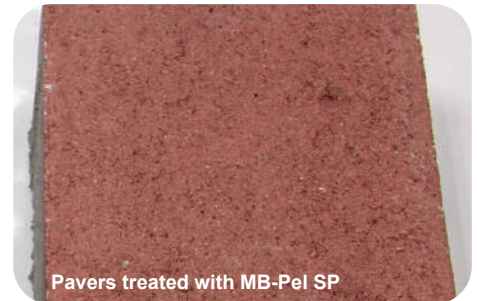
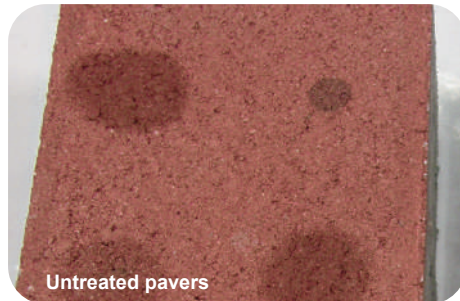
MB-Pel SP 4000

- Glossy effect, depending on the application rate
- Film-forming



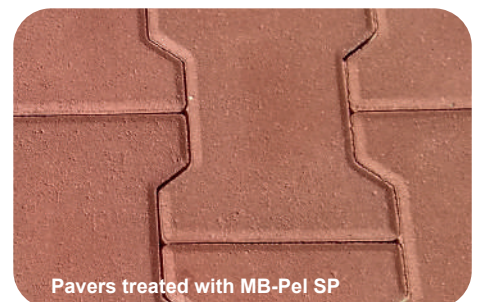
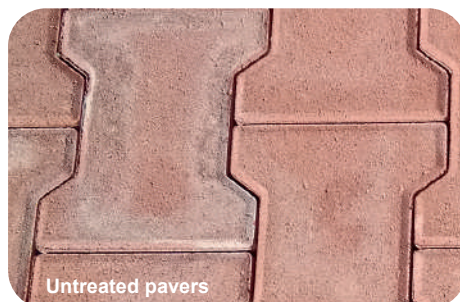
MB-Pel SP 5000

- Matt, natural aspect
- Impregnating agent, non film-forming



MB-Pel SP 6000

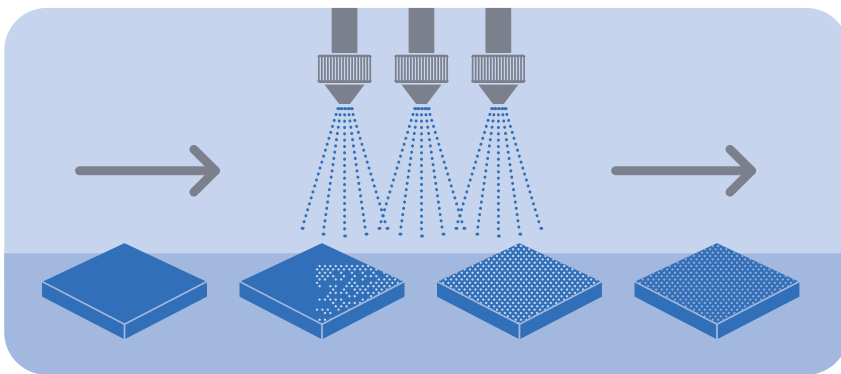
- Mild glossy effect
- Partially film-forming, partially impregnating
- MB-Pel SP 6000 combines the properties of MB-Pel SP 4000 and MB-Pel SP 5000



*Results depending on dosage applied and interaction with specific substrate

Application of MB-Pel SP

Surface Treatment with MB-Pel SP



The MB-Pel SP products for surface treatment can be applied by sprayer or roller, either on the surface of the fresh elements, immediately after their compaction and stripping, or on hardened elements, after the curing stage. To achieve optimal results, it is extremely important to ensure that the spraying system allows a homogeneous and even distribution of MB-Pel SP on the surface of the elements.



Application and Durability

All products are suitable for surface application either on fresh or on hardened elements and are not to be used as admixtures in the bulk of concrete. The durability of protection depends on the use destination and the stress the elements are subject to.



Total Protection

For the production of pavers and flags of superior quality, it is recommended to add the following admixtures in the concrete mix:

- Any product of the MB-Cast series for improved compactability and higher splitting tensile strength (according to EN 1338)
- MB-Pel 793 or MB-Pel 708 for reducing water absorption (according to EN 1338), improving color brilliancy, and minimizing efflorescence



Contact us!

For recommendations regarding compatibility with other chemicals or building materials, please consult your local Master Builders Solutions Technical Advisor.



Master Builders Solutions for the Construction Industry

MB-Air

Complete solutions for air entrained concrete

MB-Cast

Solutions for the manufactured concrete product industry

MB-Ease

Low viscosity for high performance concrete

MB-Fin

Solutions for formwork treatment and surface improvement

MB-Fib

Comprehensive solutions for fiber reinforced concrete

MB-Glen

Solutions for high performance concrete

MB-Life

Solutions for enhanced durability

MB-Mat

Advanced rheology control for concrete

MB-Pel

Solutions for hydrophobization, anti-efflorescence and surface protection

MB-Poly

Solutions for mid-range concrete

MB-Pozz

Solutions for water-reduced concrete

MB-Build

Solutions for high strength concrete

MB-UGC

Solutions for underground construction and surface improvement

MB-Set

Solutions for set control

MB-Sur

Solutions for extraordinary workability retention

MB-Seed

Advanced accelerator solutions for concrete

Quantified sustainable benefits. Advanced chemistry by Master Builders Solutions®.

Let the numbers do the talking: We have portrayed some of our most eco-efficient product solutions for concrete and precast production, construction, civil engineering, and flooring.

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