

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.

Master Builders Solutions® for the Construction Industry

MasterAir®

Complete solutions for air entrained concrete

MasterCast®

Solutions for the manufactured concrete product industry

MasterEase®

Low viscosity for high performance concrete

MasterFinish®

Solutions for formwork treatment and surface improvement

MasterFiber®

Comprehensive solutions for fiber reinforced concrete

MasterGlenium®

Solutions for high performance concrete

MasterLife®

Solutions for enhanced durability

MasterMatrix®

Advanced rheology control for concrete

MasterPel®

Solutions for hydrophobization, anti-efflorescence and surface protection

MasterPolyheed®

Solutions for mid-range concrete

MasterPozzolith®

Solutions for water-reduced concrete

MasterRheobuild®

Solutions for high strength concrete

MasterRoc®

Solutions for underground construction and surface improvement

MasterSet®

Solutions for set control

MasterSure®

Solutions for extraordinary workability retention

Master X-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.

sustainability.master-builders-solutions.com



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**MASTER®
BUILDERS
SOLUTIONS**

MasterPel® SP

**Surface Treatment of
Manufactured Concrete
Elements**



MasterPel® 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 MasterPel® SP on the surface, colored concrete paving solutions can claim more strongly their role as alternative to natural stone.

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

* = mild ** = good *** = very good **** = excellent

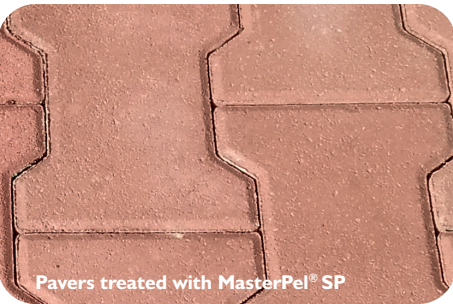
See the Difference

Pavers treated with MasterPel® SP (right) in comparison to untreated pavers (left)*



MasterPel® SP 4000

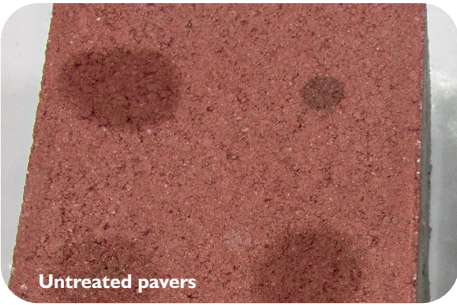
- Glossy effect, depending on the application rate
- Film-forming





MasterPel® SP 5000

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





MasterPel® SP 6000

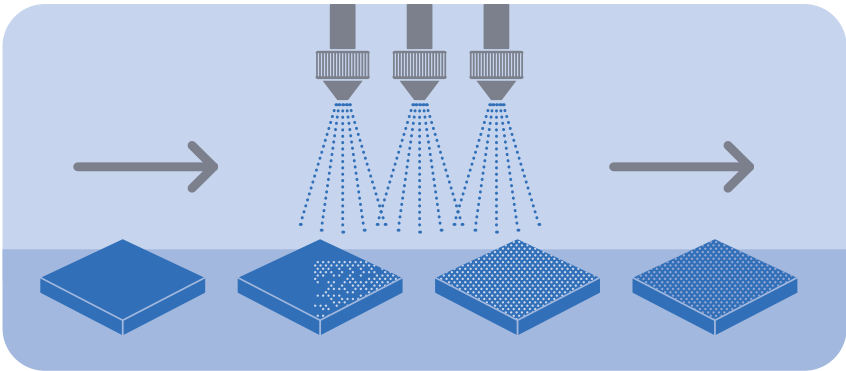
- Mild glossy effect
- Partially film-forming, partially impregnating
- MasterPel® SP 6000 combines the properties of MasterPel® SP 4000 and MasterPel® SP 5000



*Results depending on dosage applied and interaction with specific substrate

Application of MasterPel® SP

Surface Treatment with MasterPel® SP



The MasterPel® 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 MasterPel® 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 MasterCast series for improved compactability and higher splitting tensile strength (according to EN 1338)
- MasterPel 793 or MasterPel 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.

