



**MORE PERFORMANCE**

- High build up
- High final strength development
- Sulphate and sea water resistant

**MORE SUSTAINABLE**

- Reduced carbon footprint
- Reduced dust formation
- Meets LEED v4 requirements



# ENGINEERED REFURBISHMENT HIGH PERFORMANCE GROUT WITH REDUCED CARBON FOOTPRINT

SikaGrout®-800

BUILDING TRUST







# SIKA® YOUR RELIABLE PARTNER

In many structures, gaps and recesses need to be filled with a high precision to level an equipment or to transfer loads from superstructure to foundation. Additionally, some defects or damages in concrete are more suitable to be repaired with a free-flowing cementitious grout due to the shrinkage compensating properties of the grouts. Years of research plus decades of practical experience have enabled Sika® to develop a new grouting solution to fill gaps and recesses, and to restore and rehabilitate concrete structures with reduced carbon footprint. Sika® customer advice and support is second to none, from concept to successful completion on site. This is all based on more than 100 years of experience on large and small projects all over the world.



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# MORE PERFORMANCE MORE SUSTAINABLE

## SIKA® – ENHANCING CUSTOMER VALUE AND REDUCING ENVIRONMENTAL IMPACTS

One of our key pillars is Enhancing Customer Value and Reducing Environmental Impacts. Our goal is to provide the most innovative and effective solutions with reduced environmental impacts to fulfill all the technical needs of the projects and at the same time protect and respect our commitment of keeping our impact to the environment as low as possible.





To achieve this goal, Sika® has been developing the **Sustainability Portfolio Management (SPM)** Methodology. It is the mechanism used by Sika® in order

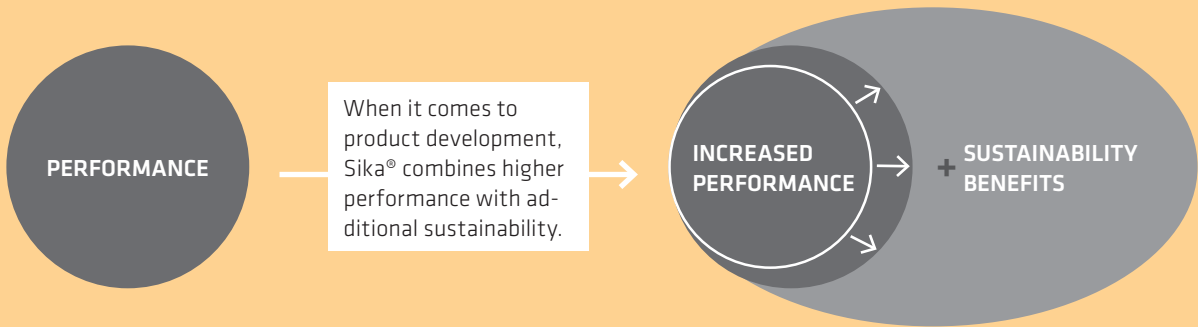
to evaluate and classify its products in terms of both Performance and Sustainability. The objective of Sika®'s SPM approach is to manage innovation

and sustainability, minimising the risks and maximising the opportunities associated with our products.



The outcome of the SPM is a portfolio of “Sustainable Solutions” – products with combined significant Sustainability and Performance benefits.

### INNOVATION – STRONGER FOCUS ON PRODUCT SUSTAINABILITY





# SUSTAINABILITY PORTFOLIO MANAGEMENT (SPM)

Assessment according to comprehensive sustainability and performance categories

Sika®'s Sustainability Portfolio Management methodology evaluates each solution under performance categories and sustainability categories to evaluate the optimum combination of both essential aspects of a product. The categories are comprehensive and cover technical and sustainability topics essential to Sika®. Upon completion of the SPM assessment, products are assigned a final performance and sustainability rating. Only products which demonstrate significant performance and sustainability benefits can qualify as Sustainable Solutions.

## SUSTAINABILITY CATEGORIES

Products which are assessed under the SPM methodology undergo an evaluation against 12 Sustainability Categories, ensuring that Sika® Sustainable Solutions are following our commitment to the environment.



**1** | **SUPPLIER CODE OF CONDUCT**  
Sharing values for more success.

**5** | **AIR QUALITY AND EMISSIONS**  
Products that promote good air quality and minimise emissions.

**9** | **RESOURCES**  
Efficient use of precious resources.

**2** | **RISKS**  
Addressing current and future reputational and business risks.

**6** | **HEALTH AND SAFETY**  
Safe to use.

**10** | **PACKAGING**  
Prioritising the use of responsible packaging for products.

**3** | **CHEMICAL HAZARD AND EXPOSURE**  
Addressing and eliminating chemical hazards and exposure.

**7** | **ENERGY**  
Products that promote energy efficiency principles.

**11** | **GREEN BUILDING STANDARDS**  
Products that contribute to world-renowned Green Building Standards.

**4** | **REGULATORY TRENDS**  
Aligning product developments with regulatory trends.

**8** | **CLIMATE**  
Products that minimise the impact on the climate.

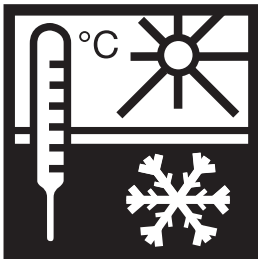
**12** | **COST SAVINGS DOWNSTREAM**  
Helping customers to directly, measurable and significantly reduce costs during application/use.



## PERFORMANCE CATEGORIES

Products which are assessed under the SPM methodology undergo an evaluation against 6 Performance categories, ensuring that our Sustainable Solutions are fit for purpose.

1



### TECHNICAL PERFORMANCE

This category includes the achievements of selected and relevant technical objectives.

2



### EASE OF APPLICATION

This category rates the product's convenience and the ease of use.

3



### DURABILITY

This essential category indicates the products that prove test of time.

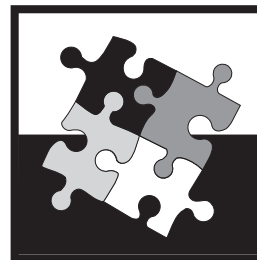
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### AESTHETICS

This category evaluates how pleasant the appearance and what effect has the product.

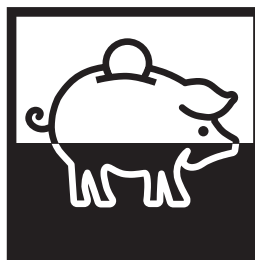
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### SYSTEM CONFORMITY

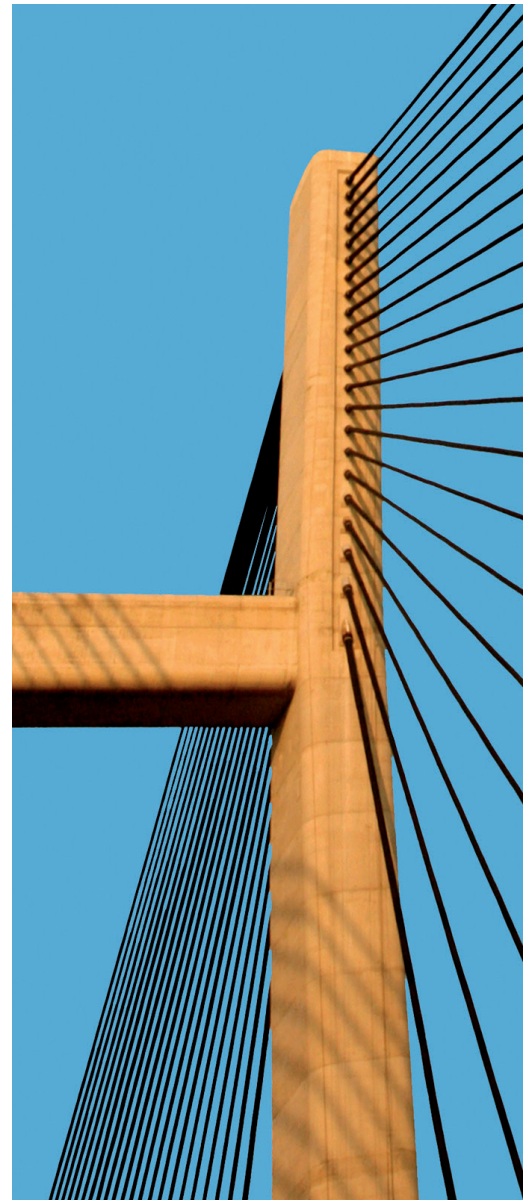
This category indicates the compatibility of the product with other system components.

6



### COST BENEFITS

This category evaluates the cost effectiveness of the product.





# HIGH PERFORMANCE GROUT WITH REDUCED CARBON FOOTPRINT

**SIKA® HAS DEVELOPED AN UNIQUE TECHNOLOGY** that offers innovative and durable grouting solutions with a reduced carbon footprint



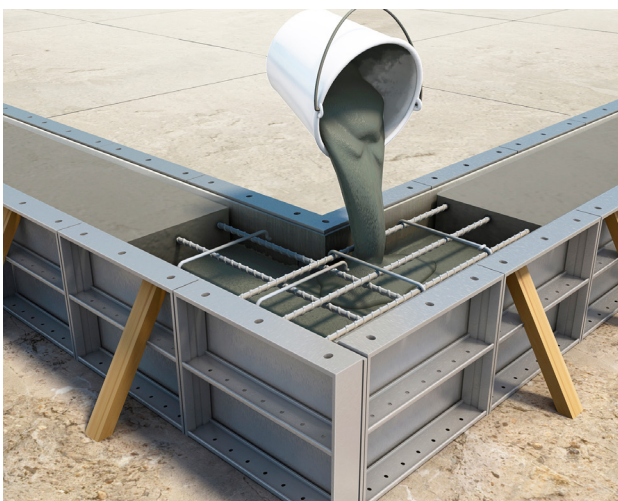
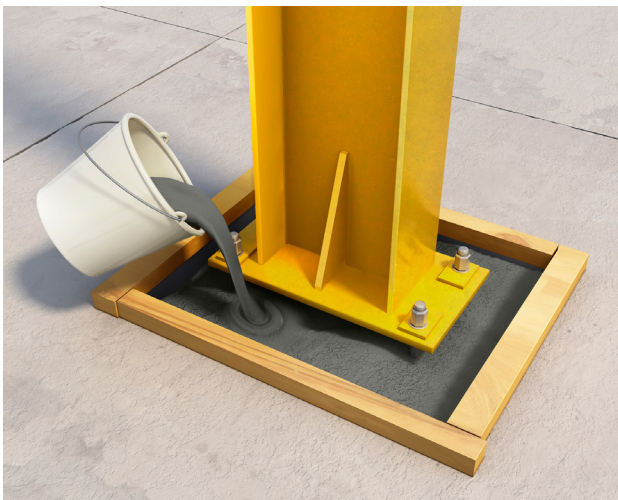


After years of research and development, this new SikaGrout® is formulated to achieve a long-lasting service life in all grouting works where high precision grouts are required.

Moreover, it was proven to be suitable for remedial works of damaged concrete due to corrosion, structural damages, water infiltration, freeze and thaw cycles, seismic activity, etc. For these applications, a robust material with levelling properties can be required and the new SikaGrout®-800 will manage to achieve the needed performances. Due to the high quality of this grout, the repairs will be finished with no additional repair materials.

Furthermore, SikaGrout®-800 has an improved workability that makes grouting jobs easy and fast to carry out. It will fulfill needs of the customers due to the high build-up thickness, low shrinking and low heat development properties, and the outstanding carbon reduced footprint.

**SikaGrout®-800 WILL ALLOW YOU TO MAXIMISE THE DURABILITY OF YOUR WORKS WHILE MINIMISING THE RESOURCES USED.**





# SikaGrout®-800

High Performance and Sustainable Cementitious Grout

**THIS INNOVATIVE PRODUCT** was designed with an optimised formulation containing recycled materials. Furthermore, to highlight its outstanding innovation and performances, it has the capability of applying a layer thickness up to 300 mm without losing strength, and even passes all the relevant standards and certification required to approve the grout, grouting and repair material.



**At Sika® we believe** that performance and sustainability need to walk hand in hand. Why compromise? SikaGrout®-800 is the result of unique mindset and development efforts where we can proudly prove that, yes, more performance and more sustainability is possible. To learn more about the product, please visit our webpage and download the Sustainability Factsheet





## MORE PERFORMANCE

### **COST EFFECTIVE GROUTING AND REPAIRING SOLUTION** **HIGH BUILD-UP**

SikaGrout®-800's unique formulation allows the application of up to 300 mm in one layer avoiding unnecessary waiting times between layer and saving labour work. This is possible even when pumped over long distances. It is suitable for indoor and outdoor, horizontal and vertical areas, and overhead when a formwork is previously placed.

### **TECHNICAL PERFORMANCES** **HIGH FINAL STRENGTH DEVELOPMENT**

SikaGrout®-800 is suitable for grouting works and for structural and non-structural repairs in concrete. This cementitious grout showed enhanced final compressive strengths reaching more than 80 MPa after 28 days, when tested under the European Standard EN 12190.

### **DURABLE SOLUTION EVEN IN HARSH ENVIRONMENTS** **SULPHATE AND SEA WATER RESISTANT**

SikaGrout®-800 was formulated with the right combination of cements and aggregates to achieve resistance to sulphates and sea water, allowing this grout to be used even in harsh environments like marine or industrial.

## MORE SUSTAINABLE

### **CLIMATE:** **REDUCED CARBON FOOTPRINT**

SikaGrout®-800 has a reduced carbon footprint as a result of the replacement of Portland cement with Supplementary Cement Materials (SCM) within its formulation. When compared to a reference cementitious grout, SikaGrout®-800 shows an approximate 30% reduction in Global Warming Potential (GWP). This corresponds to approximately 3.0 kg of CO<sub>2</sub> saved per 25 kg a bag of grout.

### **AIR QUALITY AND EMISSIONS:** **REDUCED DUST FORMATION**

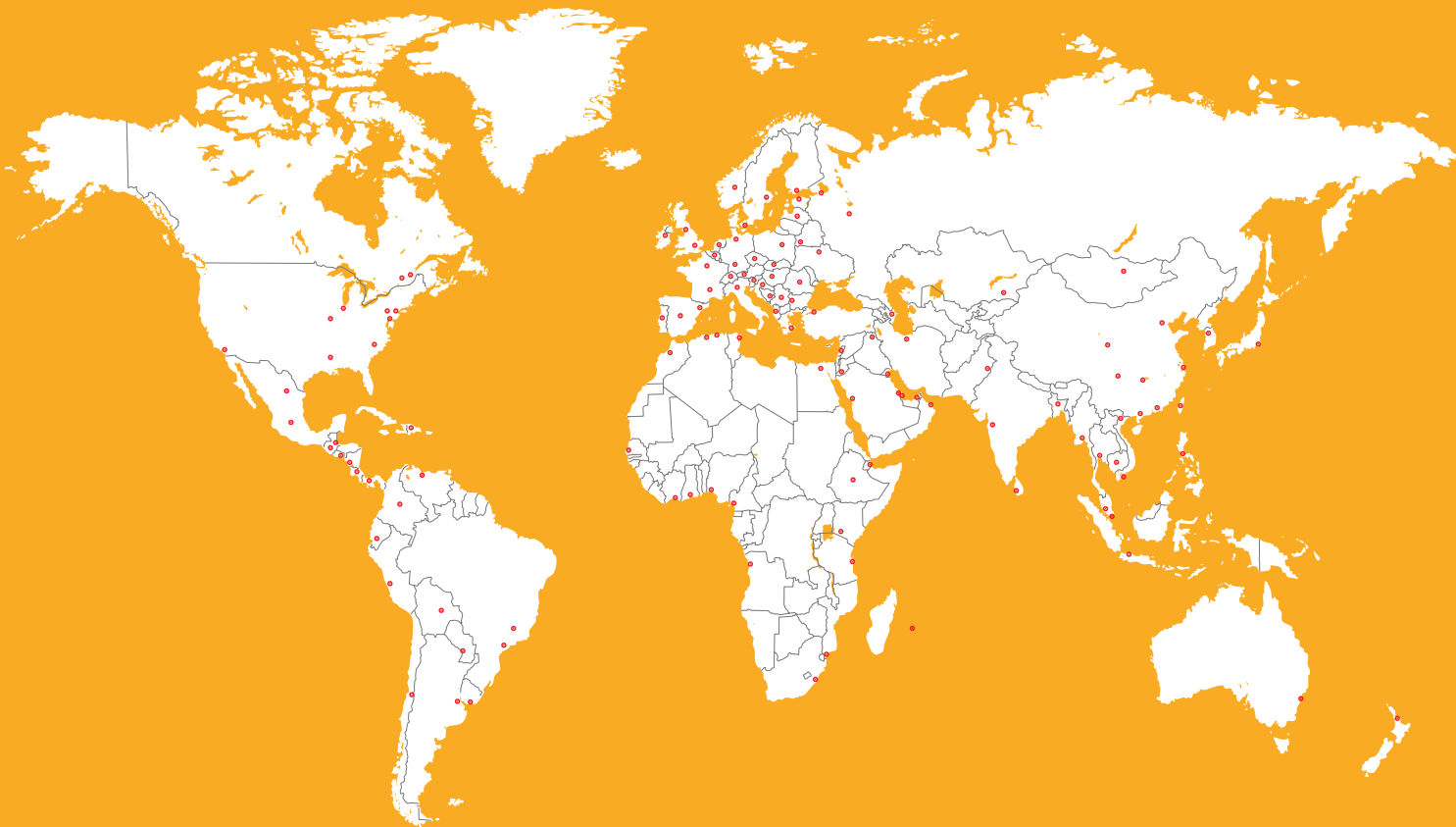
SikaGrout®-800 shows a heavily reduced dust formation (approximately 70%) compared to a reference cementitious grout based upon suitable scientific internal laboratory testing and is amongst the best-in-class solutions in the market with regards to its dust reduction level.

### **GREEN BUILDING:** **MEETS LEED V4 REQUIREMENTS**

SikaGrout®-800 is part of Sika® LEED product portfolio and conforms on three LEED v4 credit requirements, thus directly contributing to the attainment of 3 points. More details about the individual credit fulfillment are given in the Sika® LEED Attestations.



# GLOBAL BUT LOCAL PARTNERSHIP



## FOR MORE INFORMATION ABOUT SIKA® SUSTAINABILITY PORTFOLIO MANAGEMENT

### WE ARE SIKA®

Sika® is a specialty chemicals company with a leading position in the development and production of systems and products for bonding, sealing, damping, reinforcing and protecting in the building sector and the motor vehicle industry. Sika®'s product lines feature concrete admixtures, mortars, sealants and adhesives, structural strengthening systems, industrial flooring as well as roofing and waterproofing systems.

Our most current General Sales Conditions shall apply. Please consult the most current local Product Data Sheet prior to any use.



since 1986



since 1997



USGBC  
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