

System solutions

CONSTRUCTION CATALOGUE

GROUP KANSAI HELIOS IN NUMBERS

560 mio €

in sales

145.000 m²

production areas

2.320

employees

200 +

employees in R&D

Delivering to more than

50.000

customers in more than
89 countries worldwide

24

companies in 16
European countries

100 years

of tradition

DEAR USERS,

we are pleased to present a new catalogue, which was carefully prepared and adapted to cover areas of project work and construction industry. The catalog contains a selection of frequent system solutions that we have designed from a wide range of KANSAI HELIOS Group products. You can find products that are result of knowledge in the coating industry, which has been developed in KANSAI HELIOS Group for more than 100 years. Today in Helios, more than 2.320 people make sure that you, our customers around the world, are satisfied with both the products and our solutions and support.

KANSAI HELIOS is one of the largest coating groups in the European market, so we can offer our customers numerous customized products and solutions. The complete offer includes segments of decorative, wood, metal, car refinishing and road coatings, as well as products for the chemical industry and synthetic resins. In 2017 HELIOS Group became a member of the global coatings group Kansai Paint. As part of one of the world's leading paint and coating manufacturers, KANSAI HELIOS is becoming a European center for innovation, research and development, production and distribution. In addition to this, we are introducing principles of sustainable development and care for the environment in all areas of our development and operation. This means that we are also developing new products and solutions in order to reduce our consumption of resources and carbon footprint. All companies in KANSAI HELIOS Group operate in accordance with the highest environmental, industrial and safety standards.

Dear users, we invite you to look through our catalogue and contact our experts, who will offer you the most appropriate solutions for your project with their useful advice and experience. Our successful cooperation and your ultimate satisfaction is what we all strive for in Helios and what will make us truly proud.

Sincerely,
KANSAI HELIOS Team



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9.1 RENOVATION OF REINFORCED CONCRETE STRUCTURES (buildings, bridges, tunnels...)

QUALITY LEVEL	STEP 1	STEP 2	STEP 3
PREMIUM	 <ul style="list-style-type: none"> • EXPERTAN RM 01* binding and anti-corrosion coating 	 <ul style="list-style-type: none"> • EXPERTAN RM 02* structural repair mortar 	 <ul style="list-style-type: none"> • EXPERTAN RM 03* fine finishing mortar

9.2 PAINTING GLASS

QUALITY LEVEL	
PREMIUM	 <ul style="list-style-type: none"> • GRAVIHEL PUR SINGLE COAT 800 DTG

9.1 Renovation of reinforced concrete structures (buildings, bridges, tunnels...)

Step 1

EXPERTAN RM 01*

binding and anti-corrosion coating



- anti-corrosion mortar and binding coat for the remedial treatment of concrete
- suitable as a binding coat between concrete and mortars
- for the protection of reinforced iron with the remedial treatment of concrete
- excellent adhesion to concrete and iron

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	single-component polymer cement dry mortar mixture for anti-corrosion protection and improved adhesion.
CONSUMPTION:	Bonding Primer: Approx. 1.8 kg/m ² of powder per 1 mm of thickness Reinforcement Corrosion Protection: Approx. 2.0 kg/m ² of powder per 1 mm of thickness
APPLICATION:	machine, manual
APPLICATION THICKNESS:	bonding primer: min 1 mm armature protection: min 2 mm
INTER-LAYER DRYING:	approx. 5 hours under standard conditions of use
APPLICATION METHOD:	wet on wet
USE TIME:	40 min
PACKAGING UNITS:	25 kg

Step 2

EXPERTAN RM 02*

Structural repair mortar



- single-component, fiber-reinforced polymer cement dry mortar mixture for the structural remedial treatment and repair of concrete
- excellent adhesion and high mechanical hardness
- suitable for preserving and restoring the passivation of reinforced iron

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	remedial treatment work - repairs of broken and damaged concrete on buildings, bridges. For structural reinforcement - increasing the load capacity of concrete structures.
CONSUMPTION:	approx. 18 kg/m ² for a coat thickness of 1 cm
APPLICATION:	machine, manual
APPLICATION THICKNESS:	minimum – 6 mm maximum – 50 mm
APPLICATION METHOD:	wet on wet
USE TIME:	40 min
PACKAGING UNITS:	25 kg

Step 3

EXPERTAN RM 03*

Fine finishing mortar



- single-component mortar for filling cracks and for levelling
- high sulphate resistance and low permeability of chlorides
- suitable for preserving and restoring the passivation of reinforced iron

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	single-component polymer cement dry mortar mixture for filling cracks. For remedial treatment work and the repair of minor damage (pores and aggregate concrete nest).
CONSUMPTION:	approx. 1.6 kg/m ² for a coat thickness of 1 mm
APPLICATION:	machine, manual
APPLICATION THICKNESS:	minimum – 1 mm maximum – 5 mm
APPLICATION METHOD:	wet on wet
USE TIME:	50 min
PACKAGING UNITS:	25 kg

9.2 Painting glass

GRAVIHEL PUR SINGLE COAT 800 DTG

2K PUR coating for direct application onto glass



- good mechanical, temperature and weather resistance
- large selection of UNI, metallic and pearl shades and special effects
- applied directly to uncoated glass

INSTRUCTIONS FOR USE

FOR:	direct application onto glass. Intended for a wide variety of applications where you wish to paint the back of glass surfaces: glass surfaces for the kitchen and bathroom, glass and partitions.
CONSUMPTION:	0.20 – 0.25 l/m ²
APPLICATION:	mechanical, manual
THINNING:	25% thinning with GRAVIHEL THINNER ESS, if applying with a brush, thinning is not required
PACKAGING UNITS:	5 l (comp. A) - mix your chosen shade with the help of a pre-filled binder (3.7 l) and GRAVIHEL past
COLOUR SHADES:	GRAVIHEL color tools (NCS, RAL CLASSIC, RAL DESIGN, MOBIFleet, METALLIC, COLOUR GUIDE 2020...)

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