

System solutions

# CONSTRUCTION CATALOGUE

## GROUP KANSAI HELIOS IN NUMBERS

**560 mio €**

in sales

---

**145.000 m<sup>2</sup>**

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.



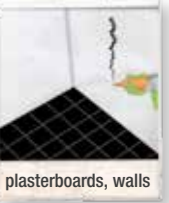


















Sincerely,  
**KANSAI HELIOS Team**



# SEALING & BONDING

<b>7.1</b>	Adhesives and sealants	211
<b>7.2</b>	PUR foams	215
<b>7.3</b>	Adhesives	219
	Technical information	221

### 7.1 ADHESIVES AND SEALANTS

USE	PRODUCT		
INTERIOR WALLS	• NEOSTIK ACRYL SEALANT		 windows  plasterboards, walls
INTERIOR, EXTERIOR WALLS	• NEOSTIK SEALANT ACRYL ROUGH		 windows, construction  walls, facades
SANITARY FACILITIES	• NEOSTIK SILICON SANITAR		 glass, ceramics  sanitary facilities, kitchen
FACADES	• NEOSTIK SEALANT SILICON NEUTRAL		 windows, mounting  gutters, installations
ROOFS	• NEOSTIK BITUMEN SEALANT		 bitumen membrane  roofing, chimneys
CONSTRUCTION MISCELLANEOUS	• NEOSTIK POLYURETHANE BOND & SEAL		 metals, transport  construction
ALL SURFACES MISCELLANEOUS	• NEOSTIK ADHESIVE SEALANT FIX & SEAL FOR ALL SURFACES		 construction, sanitary facilities, installations  nautics, renovation, industry

**NEOSTIK ACRYL SEALANT**

Sealant on an acrylic base



- good workability
- does not change colour
- can be painted
- UV+
- solvent-free



## INSTRUCTIONS FOR USE

**AREA OF APPLICATION:** sealing contacts between walls, plaster panels and concrete elements, and for sealing joints when installing windows and doors. Suitable for repairing and filling cracks in plaster and masonry, for closing joints between shelves and walls, and shutter casings. Excellent adhesion to: concrete, plaster, plaster panels, brick, wood, foam concrete, ceramic tiles, PVC and aluminum.

**PACKAGING UNITS:** 280 ml

**COLOUR SHADES:** white

**NEOSTIK SEALANT ACRYL ROUGH**

Sealant on an acrylic base with a rough appearance



- good workability
- does not change colour
- can be painted
- UV+
- solvent-free
- can be applied on slightly damp surfaces



## INSTRUCTIONS FOR USE

**AREA OF APPLICATION:** for repairing and filling cracks and joints on facades, in plaster and walls with rough appearance, etc. Excellent adhesion to: concrete, plaster, plasterboard, brick, wood, foam concrete, ceramic tiles.

**PACKAGING UNITS:** 310 ml

**COLOUR SHADES:** white

**NEOSTIK SILICON SANITAR**

Permanently elastic sealant on an acetate base



- for mounting and sealing joints in damp spaces
- resistance to mould
- wide range of chemicals
- perfectly waterproof



## INSTRUCTIONS FOR USE

**AREA OF APPLICATION:** kitchens, bathrooms, shower cabins, damp spaces. Excellent adhesion to: aluminum, ceramics, glass, glazed surfaces, (copelite) glass, clinker, porcelain, various plastics and coatings.

**PACKAGING UNITS:** 280 ml

**COLOUR SHADES:** transparent, white

**NEOSTIK SEALANT SILICON NEUTRAL**

Permanently elastic sealant on a neutral base with excellent adhesion to all building materials



- does not cause corrosion
- highly resistant to UV rays, light, aging and a wide range of chemicals
- offers perfect waterproof protection
- no slumping in joints on vertical surfaces



## INSTRUCTIONS FOR USE

**AREA OF APPLICATION:** for installing and sealing glass in wooden, aluminum and PVC frames, for sealing dilatation systems on facades and in construction, for sealing joints where there is a possibility of mould formation. For contacts between window frames and doors, finishing joints between shelves and walls, shutter casings, sealing joints in silos, tanks, containers and various industries, gluing slats. Excellent adhesion to: concrete, brick, wood, metal, steel, glass, aluminum, various types of plastics, foam concrete, ceramics, plaster panels, clinker, porcelain, styrofoam and coatings.

**PACKAGING UNITS:** 310 ml

**COLOUR SHADES:** transparent, white

**NEOSTIK BITUMEN SEALANT**

Elastic sealant on a bitumen base



- UV+
- thixotropic
- good adhesion also to damp and wet surfaces



## INSTRUCTIONS FOR USE

**AREA OF APPLICATION:** for repairs and sealing on roofs, adhesion of bitumen membranes and roof tiles. Excellent adhesion to: concrete, plaster, brick, roofing sheets, sheet metal, bitumen and membranes, aluminum and copper.

**PACKAGING UNITS:** 300 ml

**COLOUR SHADES:** black

**NEOSTIK POLYURETHANE BOND & SEAL**

Polyurethane adhesive sealant for elastic joints and the adhesion of various materials



- thixotropic
- can be painted
- UV+
- durability
- elasticity
- high chemical resistance



## INSTRUCTIONS FOR USE

**AREA OF APPLICATION:** various seals, concrete/concrete, construction, industrial floors, construction. Adhesion/sealing of: aluminium, steel, copper, PVC, concrete, brick, wood, ceramics, metal, styrofoam and some types of plastics.

**PACKAGING UNITS:** 300 ml ALU cartridge (white, grey)  
600 ml (grey)

**COLOUR SHADES:** white, grey

## NEOSTIK ADHESIVE SEALANT FIX & SEAL FOR ALL SURFACES

Versatile and permanently elastic adhesive sealant



- excellent mechanical properties
- prevents the formation of mould
- environmentally friendly, UV stable, resistance to atmospheric influence
- does not cause corrosion
- does not stain
- resistant to vibrations



### INSTRUCTIONS FOR USE

**AREA OF APPLICATION:** for the exterior and interior sealing of dilatation joints and breaks (construction, floors and facades), for contacts between window frames, doors, plaster boards and concrete elements. For the sealing and adhesion of various materials in the automotive industry, metal constructions, shipbuilding, silos, tanks, containers, vacuum systems, for the adhesion of window shelves, slats and roofs.

**PACKAGING UNITS:** 290 ml

**COLOUR SHADES:** white, grey

## 7.2 PUR FOAMS

USE	PRODUCT		
MISCELLANEOUS	<ul style="list-style-type: none"> <li>• NEOSTIK PUR FOAM UNIVERSAL (manual and gun application)</li> </ul>		
MISCELLANEOUS	<ul style="list-style-type: none"> <li>• NEOSTIK PUR FOAM FOR INSULATION PANELS (gun application)</li> </ul>		
MISCELLANEOUS	<ul style="list-style-type: none"> <li>• NEOSTIK PUR FOAM FOR ROOF TILES (manual and gun application)</li> </ul>		
AUXILIARY PRODUCTS	<ul style="list-style-type: none"> <li>• NEOSTIK PUR CLEANING AGENT</li> </ul>		

**NEOSTIK PUR FOAM UNIVERSAL**

Manual and gun application polyurethane foam



- universal
- good structure foam
- good result



## INSTRUCTIONS FOR USE

AREA OF APPLICATION:	sealing, adhesion, insulation, filling. Excellent adhesion to: wood, bricks and aerated concrete, metal, aluminum, stone and plastics.
----------------------	---

PACKAGING UNITS: 750 ml

**NEOSTIK PUR FOAM FOR INSULATION PANELS**

Polyurethane foam for gun application with low post-expansion



- low expansion
- bonds and seals insulation boards
- provides optimum acoustic and thermal insulation
- cures with the air humidity



## INSTRUCTIONS FOR USE

AREA OF APPLICATION:	adhesion and fixing insulating panels and other materials. Excellent adhesion to: styrofoam, styrodur, stone wool, concrete, tiles, bricks, plaster, wood and other building materials.
----------------------	--

PACKAGING UNITS: 750 ml

**NEOSTIK PUR FOAM FOR ROOF TILES**

Manual and gun application polyurethane foam



- low expansion
- good adhesion to roof tiles
- resistant to wind and low and high temperatures
- strengthens with air humidity



## INSTRUCTIONS FOR USE

AREA OF APPLICATION:	low expansion, roof tiles Excellent adhesion to: brick roof tiles as well as wood, concrete, brick, aerated concrete, metal, aluminum, stone and plastic.
----------------------	--

PACKAGING UNITS: 750 ml

**Auxiliary products****NEOSTIK PUR CLEANING AGENT**

- removes fresh and uncured polyurethane foam
- for the interior and exterior cleaning of guns
- removes residues of adhesives, paints and grease





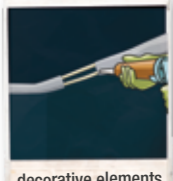






## INSTRUCTIONS FOR USE

AREA OF APPLICATION:	cleaning guns and residues of uncured foam.
----------------------	---

PACKAGING UNITS: 500 ml

## 7.3 ADHESIVES

USE	PRODUCT		
MISCELLANEOUS	• NEOSTIK FIX FOR STYROFOAM		 decorative elements  styrofoam, EPS, XPS
MISCELLANEOUS	• NEOSTIK FIX CLASSIC		 decorative elements  EPS, XPS, panels
MISCELLANEOUS	• NEOSTIK FIX EXPRESS		 mirrors, sanitary facilities  nautics, renovation, construction

**NEOSTIK FIX FOR STYROFOAM**

High-quality environmentally friendly fastening adhesive



- good adhesion
- can be painted
- does not slump in joints on vertical surfaces
- for indoor use



## INSTRUCTIONS FOR USE

**AREA OF APPLICATION:** for the quick fastening of decorative styrofoam elements on most absorbent building materials. Excellent adhesion to: concrete, plaster, plaster panels, brick, wood, aerated concrete, ceramic tiles, PVC and aluminum. Excellent adhesion to: styrofoam, EPS and XPS.

**PACKAGING UNITS:** 310 ml / 1 kg / 4 kg

**NEOSTIK FIX CLASSIC**

High-quality environmentally friendly adhesive



- acrylic-based
- resistance to atmospheric influence
- can be painted
- once cured, it is resistant to water



## INSTRUCTIONS FOR USE

**AREA OF APPLICATION:** for window sills, slats, ceramic plates, decorative elements. Excellent adhesion to: concrete, plaster, wood, ceramics, stone, styrofoam, EPS, XPS, plaster panels and PVC.

**PACKAGING UNITS:** 200 g / 300 ml / 1 kg / 4 kg

**NEOSTIK FIX EXPRESS**

High-quality environmentally friendly adhesive



- strong, fast, versatile and permanently elastic adhesive for construction
- does not slump in joints on vertical surfaces
- suitable also for damp surfaces



## INSTRUCTIONS FOR USE

**AREA OF APPLICATION:** for fixing and bonding to all surfaces and most construction materials. Excellent adhesion to: concrete, marble, brick, plaster, ceramics, wood, particle and bound pl. cork, aluminum, iron, glass, XPS, PVC.

**PACKAGING UNITS:** 290 ml

**CHOICE OF ADHESIVES**

Choosing an adhesive is a demanding task. The correct choice of adhesive is most dependent on whether or not you will be satisfied with the result of the adhesion. When choosing the appropriate adhesive, the following factors must be considered:

- properties of the materials for adhesion,
- adhesion process (surface preparation, size and shape of materials, etc.),
- adhesion load (thermal, mechanical, etc.).

When in doubt, it is best to consult an expert.

**SURFACE PREPARATION**

For successful adhesion, in addition to the right choice of adhesive, the correct preparation of the surface is required. All surfaces that you want to bond together must be dry and clean, without any residue of grease, oils, old coatings or adhesives. Whenever possible, sand and dust the surfaces before adhesion. This increases the active surface and thus the strength of the adhesion.

**USE**

Every adhesive in larger packaging units must be mixed before use. With multicomponent adhesives, mix each component separately first and then the components with each other in the prescribed ratio. The prescribed ratio must be strictly followed, since a slight inaccuracy in weighing can lead to a significantly lower strength of the adhesion. In addition to the preparation of the adhesive and the surface, the temperature is also crucial for high-quality adhesion. The temperature of the surface and the adhesive elements should be as equal as possible, which can be achieved by measuring the room temperature beforehand, but in principle the working temperature should be between 15–25 °C, unless otherwise stated. The surfaces with the applied adhesive must be bonded together in the prescribed time interval.

**It's good to know:**

- The adhesion of adhesives based on organic solvents is due to the evaporation of the solvent resulting in coagulation of the rubber and the formation of the adhesive. The open time of the adhesive is the time after which the surfaces coated with adhesive must be joined. The surfaces are joined when the adhesive layer is dried so that the glue cannot be pulled by the finger but still gives a feeling of stickiness. The adhesive must be applied in the thinnest and most even layer possible on both surfaces. The surfaces of very porous materials require two layers of adhesive; the second layer of adhesive is applied to the dried first layer. Effective adhesion can be carried out only at temperatures above +10 °C.
- The assumption that more adhesive means faster and better adhesion is incorrect. An excessive amount of adhesive slows down the adhesion time and reduces mechanical strength.
- Curing of the dispersion adhesive is the result of an outflow of water from the adhesive layer, which requires the porosity of at least one of the surfaces. Since evaporation of water from the system is slower than that of e.g. a solvent, the adhesion is not yet fixed after joining, so it is still possible to make a correction. Due to the nature of the dispersion systems, the optimum working temperature is +15 °C; it is also necessary to consider the humidity of the materials themselves and of the air. When installing elements, it is recommended to apply adhesive in lines or dots. This enables faster adhesion and filling potential cracks between the adhesive surfaces.



●● KANSAI  
●● HELIOS

**Helios TBLUS d.o.o.**  
Količevo 65, 1230 Domžale, Slovenia  
**T** +386 1 722 40 00  
projects@helios-group.eu  
www.helios-profi.com

Member of ●● KANSAI HELIOS Part of  KANSAI PAINT

Follow us on:  Helios Architectural

