

**THE  
WATERPROOFING-  
SPECIALISTS**



**KÖSTER**

# The Waterproofing Company



KÖSTER BAUCHEMIE AG is specialized in the development and production of waterproofing systems and concrete protection materials. Our products are designed to:

- protect new and old buildings against moisture and resulting damage
- preserve historical buildings
- create new living space which has a healthy room climate



Located in Aurich in the North of Germany, KÖSTER BAUCHEMIE AG was founded in 1982 as a developer and manufacturer of waterproofing materials. Today, KÖSTER BAUCHEMIE AG is a group of 26 companies with worldwide activities.



The founder of the company and managing director, Johann J. Köster, has been in the waterproofing business for more than 40 years. His personal knowledge and experiences are the benchmark for our philosophy of providing high quality and long lasting waterproofing materials.

## Our waterproofing systems protect and preserve valuable buildings and structures, worldwide.

KÖSTER BAUCHEMIE AG offers a comprehensive range of materials in order to provide the optimal solution for every waterproofing challenge, whether new buildings have to be waterproofed or old buildings have to be restored.

Our high quality and long lasting waterproofing systems sustainably increase the lifecycle of buildings. Avoiding moisture damages makes less repair works necessary and reduces the

energy consumption because the insulation stays intact. KÖSTER concrete protection and repair systems protect concrete from corrosion by acids or other chemical attacks and help to repair already corroded concrete in the most economical and safe manner. Our production is carried out in a way that the least possible effect on the environment is given. Where possible we recycle raw materials and packaging.



## Individual waterproofing solutions all over the world



Olympic hall, Beijing, China



Nuclear power station, Sofia, Bulgaria



Four Seasons Hotel, Mumbai, India



Museum Quarter, Vienna, Austria

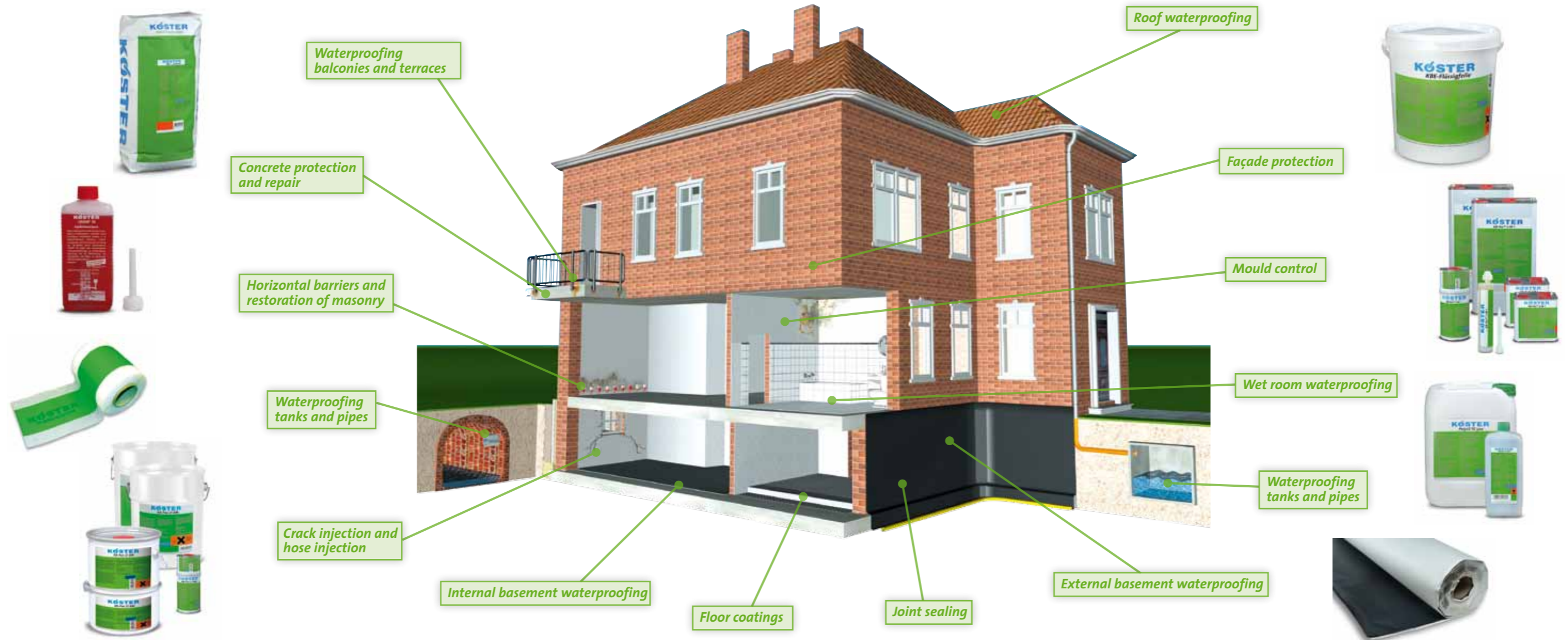


Pentagon, Washington D.C., USA

## The Waterproofing Specialists

Usually inconspicuous, but always present: Because the usage of waterproofing in buildings is manifold, so are the solutions that KÖSTER offers. No matter if it is an apartment house, an industrial building, a concrete structure, or a historic building: KÖSTER BAUCHEMIE AG offers a wide range of effective products and systems which guarantee a safe waterproofing - from basement to roof.

Our core competences:  
Waterproofing from basement to roof



## Individual waterproofing solutions all over the world



Sewage treatment plant, Istanbul, Turkey



Office building, Tallinn, Estonia



Water power plant, Lithuania



The MGM Grand, Las Vegas, USA



Palm Island Jumeirah, Dubai, United Arab Emirates

## Technical training

Which is the best waterproofing solution for a specific situation? KÖSTER BAUCHEMIE AG attaches great importance to training in order to get the greatest value for the building owner. Contractors and other interested persons are frequently trained to ensure that they possess in-depth theoretical and practical knowledge about our products and about waterproofing technology in general. Technical training is carried out at the training center in Aurich or wherever it is needed worldwide.

*Good waterproofing solutions require analysis of the construction, a professional concept and the right products.*

Technical training at KÖSTER BAUCHEMIE AG in theory....



... and in practice.



## Technical advice

We want our partners to benefit from our technical know-how and experience. The distribution of our products via technical consultants ensures that our customers receive the support they need in order to apply our products effectively and properly. That is why our customers worldwide can rely on our advice wherever it is needed:

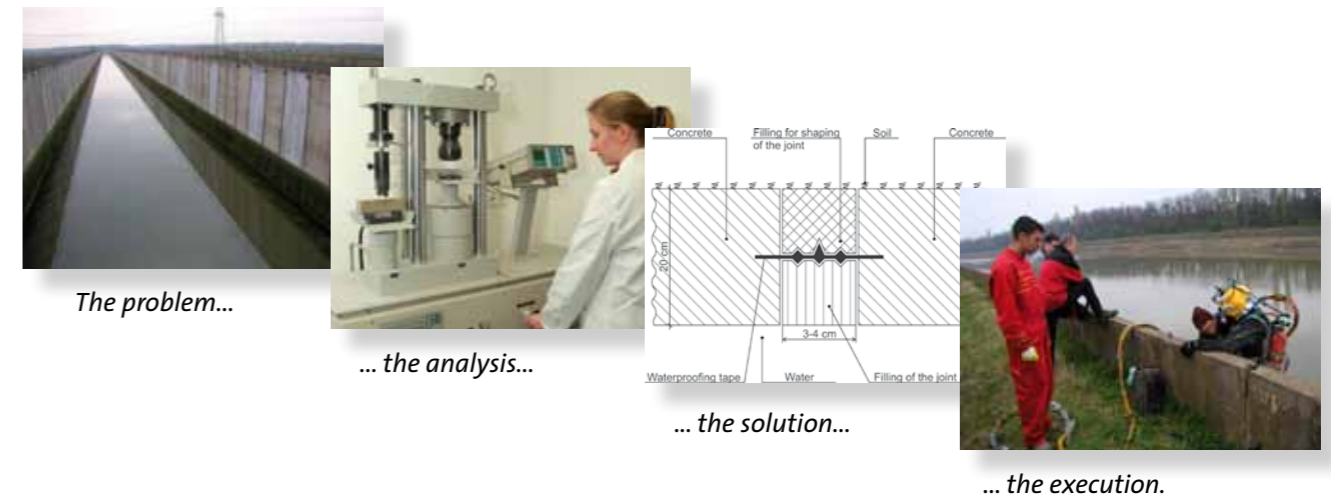
... personally...

...directly on the construction site... ... and on the phone.



*Individual waterproofing solutions: our flexibility is your advantage.*

Sometimes waterproofing problems can not be solved by existing products or methods but need an individual solution. Together with our customers we analyze each situation and then develop a customized solution for their specific problem.



## Individual waterproofing solutions all over the world



Historic town-hall, Potsdam, Germany



Drinking water tank, Tarnów, Poland



Ladawan Palace, Bangkok, Thailand



Cooling towers of a power plant, China



Parliament, The Hague, Netherlands

## Our approach on quality



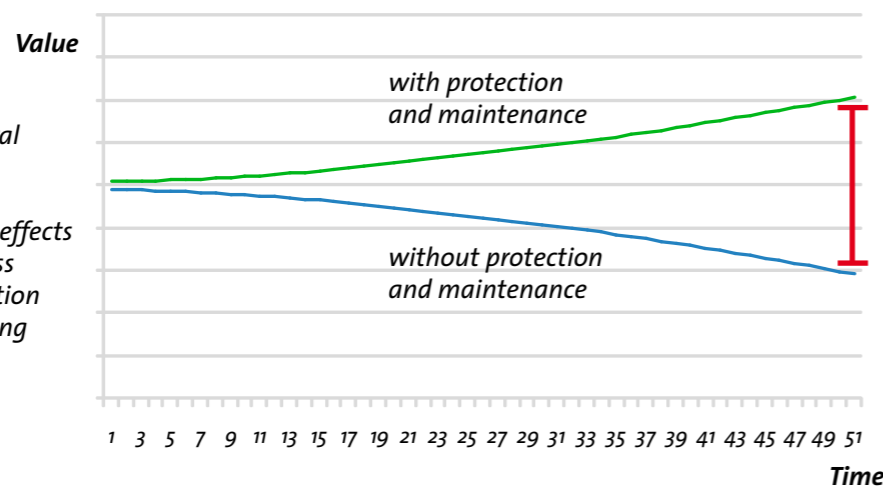
Using high quality materials for the waterproofing of a building will protect the owner from damages and thereby save him immense nuisance and costs. That is why it has always been our policy to offer materials of the highest quality, durability and performance. KÖSTER has a firm belief that one should never compromise on quality. We aim to develop a strong and lasting relationship with our customers. This commitment to quality does not only apply to our materials but also to our service. This means that all levels of the organization, i.e. research and development, purchasing, administration, production, logistics and sales are all committed to provide quality service to the customer.

KÖSTER is proud to produce its waterproofing and concrete repair systems itself according to German quality standards and using the best raw materials available. The in-house production and R&D guarantees full control of the quality and technical properties of the product. It also gives us the flexibility to adjust the products to specific customer needs. Close communication with our customers leads to new ideas for new solutions and eventually to new products. KÖSTER production is certified according to ISO 9001. Our products are frequently tested by independent test institutes. KÖSTER BAUCHEMIE is committed to preserve and protect the environment by combining the most modern raw materials and production technologies with state-of-the-art research and development. This means that most of the materials are water-based or solvent-free and formulated to minimize the impact on nature. These characteristics are naturally in line with KÖSTER BAUCHEMIE's customer commitment where not only the environment is considered but also the health of the people who live and work with the materials.

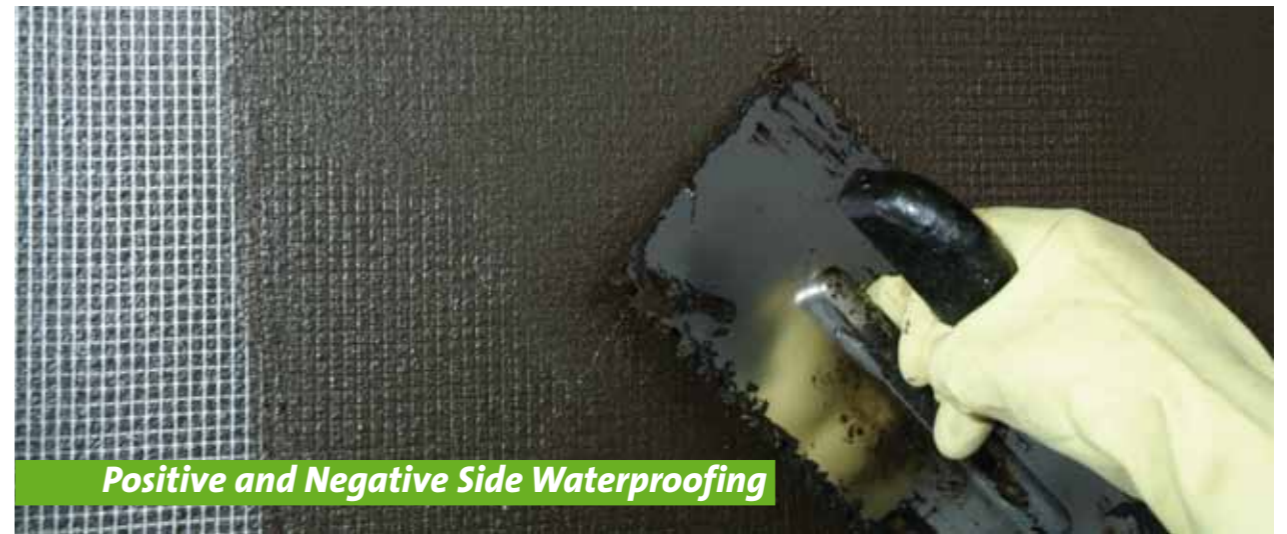


## Waterproofing is the most cost effective way to maintain the value of a building

Why quality? As a general rule, more than 80% of damages to apartment buildings are due to the effects of water. Typically, for less than 5% of the construction cost quality waterproofing can be achieved.



## Fields of application



### 1. Liquid applied bitumen based waterproofing

1.01	KÖSTER Bitumen Primer	High quality, cold applied bitumen primer with bonding additive
1.03	KÖSTER Bitumen Coat	Bitumen sealant with excellent resistance against water, diluted acids and alkalis
1.09	KÖSTER Bitumen-Emulsion	Bitumen-Emulsion with excellent adhesion, primer and surface sealant
1.12	KÖSTER CFR 1	Highly elastic hot-melt bitumen-rubber waterproofing against pressurized water up to 50 bar. Elasticity > 2000%.
1.13	KÖSTER KBE Liquid Film	Highly flexible, cold applied solvent free sealing agent. For high grade waterproofing. Elasticity > 900%.
1.14	KÖSTER Bikuthan® 2C	Crack-bridging, non-sagging, two-component, polystyrene-modified bitumen sealant. For below grade waterproofing.
1.15	KÖSTER Bikuthan® 1C	Sprayable, crack bridging, non-sagging, one-component polystyrene modified bitumen sealant. Resistant to hydrostatic pressure. For below grade waterproofing.
1.16	KÖSTER Deuxan® 2C	Crack-bridging, non sagging, two-component fibre reinforced bitumen thick film sealant. Resistant to hydrostatic pressure. For below grade waterproofing.
1.17	KÖSTER Deuxan® Professional	Sprayable, crack bridging, non-sagging, two-component fibre-reinforced bitumen thick film sealant. Resistant to hydrostatic pressure. For below grade waterproofing.
11.01	KÖSTER Glass Fibre Mesh	Fabric for reinforcing bitumen thick film sealants
10.37	KÖSTER Special Joint Tape	Highly tear-resistant joint tape for connecting waterproofing areas
7.23	KÖSTER BE Rainproof	Protection for bitumen-emulsion based waterproofing materials against rain

### 2. Cold applied self adhesive membranes

7.3	KÖSTER KSK Primers	Various primers specially designed for the KÖSTER KSK system. KÖSTER KSK Primer SP for low temperatures down to -10°C and polystyrene surfaces, KÖSTER KSK Primer BL for mineral surfaces and temperatures from 5°C.
1.10	KÖSTER BS 1 Bitumen Paste	Fibrated bitumen filling compound for repair and waterproofing work
10.3	KÖSTER KSK AW 15/ SY 15/ ALU 15/ DS 15	Cold applied self-adhesive rubber-bitumen waterproofing membranes. Waterproofing of concrete slabs or below grade structural members.
10.34	KÖSTER KSK ALU Strong	Waterproofing of small roofs. Mesh reinforced with aluminum foil
10.38	KÖSTER Butyl Fix Tape Fleece	Sealing tape to be used for fixation of waterproofing membranes, can be plastered over
10.37	KÖSTER Special Joint Tape	Highly tear-resistant joint tape for connecting waterproofing areas
10.39	KÖSTER KSK Triangular Ribbon	Prefabricated self adhesive fillet for KÖSTER KSK applications



### Positive and negative side waterproofing

#### 3. Cementitious Waterproofing

4.01	KÖSTER Polysil® TG 500	Impregnation and priming. Hardener and salt stopper. Enhances the adhesion of coatings.
3.021	KÖSTER NB 1 Grey	Penetrating, crystallizing waterproofing with self healing effect for positive and negative side waterproofing. Grey.
3.022	KÖSTER NB 2 White	Penetrating, crystallizing waterproofing with self healing effect for positive and negative side waterproofing. White.
3.023	KÖSTER NB 1 "fast"	Fast setting penetrating, crystallizing waterproofing with self healing effect for positive and negative side waterproofing. Grey.
2.11	KÖSTER SB Bonding Emulsion	Additive for crystallizing waterproofing materials. Provides a plastifying effect, increases the elasticity and reduces the water absorption.
3.031	KÖSTER NB Elastic Grey	Two-component, crack bridging coating, resistant to hydrostatic pressure
3.034	KÖSTER NB Elastic White	White two-component, crack bridging coating, resistant to hydrostatic pressure
3.039	KÖSTER NB Elastic 1C White	White one-component, crack bridging coating, resistant to hydrostatic pressure
3.03	KÖSTER NB 4000	Two-component, mineral thick film sealant, quickly rain and waterproof
11.05	KÖSTER Flex Fabric	Elastic mesh for the reinforcement of thin-layer waterproofings
5.03	KÖSTER Repair Mortar	Watertight mortar for repairs and for creation of concave fillets
5.032	KÖSTER Repair Mortar Plus	Hydrophobic, fast setting, pressurised water resistant, expanding repair mortar. With an additive of KÖSTER SB Bonding Emulsion, suited as PCC mortar.
3.01	KÖSTER KD System	Three product system for superfast negative side waterproofing under difficult conditions (running water)
3.025	KÖSTER Restoration Slurry	Waterproof cementitious slurry, resistant to sulphates and hydrostatic pressure
3.14	KÖSTER Waterstop	Expanding, fast setting waterplug against leakages

#### 4. Curtain or area injection

6.12	KÖSTER KB-Pur® Gel	Hydro-gel. Reacts with water and forms a waterproofing layer. For curtain and area injection or for waterproofing of moving joints.
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#### 5. Protection and drainage

11.40	KÖSTER SD Protection and Drainage Sheet 3-400	Protection of the waterproofing layer in combination with a drainage
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### Balconies and terraces

3.031	KÖSTER NB Elastic Grey	Two-component, crack bridging coating, resistant to hydrostatic pressure
3.034	KÖSTER NB Elastic White	White, two-component, crack bridging coating, resistant to hydrostatic pressure
3.039	KÖSTER NB Elastic 1C white	White, one-component, crack bridging coating, resistant to hydrostatic pressure
11.05	KÖSTER Flex Fabric	Elastic mesh for the reinforcement of thin-layer waterproofings
10.3	KÖSTER KSK AW 15/ SY 15	Cold applied self-adhesive rubber-bitumen waterproofing membranes



### Restoration of masonry - horizontal barriers

3.082	KÖSTER Crisin® 76 Cartridges	Top class low viscous resin for pressureless injection against rising damp even at high moisture and salt contents in the masonry
12.03	KÖSTER Suction Angle	Angle for the pressureless injection method (suction angle system)
11.06	KÖSTER Capillary Rods	Ensure a consistent distribution of the injection liquid, bridges cracks and voids in masonry. Available: 48 cm and 96 cm.
3.081	KÖSTER Crisin® 76	Top class low viscous resin against rising damp even at high moisture and salt contents in the masonry in cannisters or drums for refilling of cartridges
3.042	KÖSTER Mautrol® Borehole Cartridge	Silicifying concentrate in cartridges for borehole injection against rising damp
3.041	KÖSTER Mautrol® Liquid Sealant	Silicifying concentrate in cannisters or drums for borehole injection against rising damp
3.05	KÖSTER Mautrol® Borehole Suspension	For filling voids and cracks in preparation of borehole injection
3.061	KÖSTER Mautrol® 2C	Two component sealing liquid against rising damp. For pressure injection.
3.062	KÖSTER Mautrol® Flex 2C	Two component flexible sealing liquid against rising damp. For pressure injection.
4.01	KÖSTER Polysil® TG 500	Impregnation and priming. Hardener and salt stopper. Enhances the adhesion of coatings.
5.055	KÖSTER Pre-Plaster	Levelling plaster for levelling of substrates
5.06	KÖSTER Restoration Plasters (grey, white, fast, light)	Diffusion-open, salt-resistant, abrasion resistant plasters with high porosity and hydrophobic properties
5.069	KÖSTER Restoration Plaster Coat	Fine-grained plaster coat for application on top of KÖSTER Restoration Plasters for very smooth surfaces



### Joint sealing

8.03	"KÖSTER Joint Sealant FS-V/H"	Elastic polysulphide joint sealing, for vertical (V) or horizontal (H) joints
8.039	KÖSTER FS Primer	Primer for KÖSTER Joint Sealant FS
8.06	KÖSTER PU Joint Sealant	Acid resistant castable joint sealant for biogas plants
10.37	KÖSTER Special Joint Tape	Highly tear-resistant joint tape for connection of waterproofing areas
8.10	KÖSTER Joint Tape 20	Waterproofing of moving joints. 20 cm wide.
8.11	KÖSTER Joint Tape 30	Waterproofing of moving joints. 30 cm wide.
8.12	KÖSTER KB-Pox® Adhesive	High performance adhesive for KÖSTER Joint Tape with excellent adhesion to concrete, mortar, metal etc.
6.12	KÖSTER KB-Pur® Gel	Hydro-gel. Reacts with water and forms a waterproofing layer. For waterproofing of moving joints in repair cases.



### Injection Systems

6.13	KÖSTER KB-Pur® IN 1	Foam: Stops running water in cracks.
6.140	KÖSTER KB-Pur® IN 2	Solid elastic resin: Seals and closes dry cracks and joints after the injection of KB-Pur® IN 1.
6.145	KÖSTER KB-Pur® 2 IN 1	Two products in one: Stops flowing water in cracks and closes them permanently.
6.15	KÖSTER KB-Pur® IN 3	Crack injection material for stabilization of concrete constructions
6.17	KÖSTER KB-Pur® IN 5	Low viscous resin, closes cracks elastically. Also for micro cracks. Long pot life.
6.19	KÖSTER KB-Pur® IN 7	Foam for one-step waterproofing of water bearing cracks
5.29	KÖSTER Micro Grout 1C	Injection grout for closing cracks and voids where structural strength is required
6.12	KÖSTER KB-Pur® Gel	For curtain and area injection and retroactive waterproofing of dilatation joints. Waterreactive. Can be diluted up to 1 : 10 with water.
12.06	KÖSTER Superpacker and KÖSTER One-day-site-Packer	Injection ports (packers) for high pressure crack injection
6.25	KÖSTER Water Stop Board IN	Sealing element for the secure waterproofing of concrete construction joints. In the case of leakage, the inside can be injected.
12.071	KÖSTER Gel Pump	Pump for high pressure injection of KÖSTER KB-Pur® Gel with variable mixing ratio (water / gel)
12.072	KÖSTER 1-C-Injection Pump	Pump for high pressure injection
12.075	KÖSTER Hand Pump	Grouting tool for injection of resin, for smaller jobs or difficult to access work areas.



### Wet room Waterproofing

5.14	KÖSTER BD Flexible Tile Adhesive	Single-component, flexible adhesive for all mineral building materials
7.090	KÖSTER BD 50	Highly elastic, watertight, acrylic based waterproofing. For walls and floors, e.g. under tiles in wet rooms.
7.091	KÖSTER BD 50 Primer	Creates bonding bridges to absorbent substrates
11.030	KÖSTER BD Flex Tape K 120	For connecting area waterproofing to joints or wall-floor-connections
11.05	KÖSTER Flex Fabric	For reinforcement of thin-layer waterproofing
11.032	KÖSTER BD Inside Corner	Waterproofing of inside corners in wet rooms
11.033	KÖSTER BD Outside Corner	Waterproofing of outside corners in wet rooms
11.034	KÖSTER BD Wall Sleeve	Waterproofing of pipe penetrations in wet rooms
11.035	KÖSTER BD Floor Sleeve	Waterproofing of floor drains in wet rooms



### Concrete repair

5.20	KÖSTER Betomor® Multi A	Concrete repair: Unites corrosion protection, coarse filler, fine filler and bonding bridge in one product.
5.21	KÖSTER C-Coat	Levelling mortar for smoothing concrete surfaces
5.23	KÖSTER Betomor® light 88	Light weight mortar for repair and reprofiling work on mineral substrates
5.03	KÖSTER Repair Mortar	Watertight mortar for repairs and for creation of concave fillets.
5.032	KÖSTER Repair Mortar Plus	Hydrophobic, fast setting, pressurised water resistant, expanding repair mortar. With an additive of KÖSTER SB Bonding Emulsion Concentrate, suited as PCC mortar.
5.035	KÖSTER Repair Mortar NC	Fibre reinforced repair mortar, fast setting, excellent workability
5.19	KÖSTER Sewer and Shaft Mortar	Water tight, fast curing and fast setting restoration mortar for sewers and shafts. High compressive strength
5.01	KÖSTER KB-Fix 1 /5	Pressure resistant rapid curing mortar for quick repairs (approx. 1 or 5 minutes working time)
5.25	KÖSTER VGM Fast	Suspension with high final compressive and tensile strength for filling voids and stabilization of structures



### Concrete corrosion protection

5.15	KÖSTER Silicate Mortar	Special coating, highly resistant against various acids and other chemicals, from pH 0 to 7
5.17	KÖSTER Silicate Adhesive	Tile adhesive. Resistant against various acids and chemicals.
5.18	KÖSTER PSM	Special coating, highly resistant against various acids and other chemicals, from pH 0 to 8.
4.516	KÖSTER Polysil® BG 2 S+	Chemically resistant impregnation and finish for KÖSTER PSM and other surfaces
6.08	KÖSTER CMC	Mechanically and chemically highly resistant coating with good adhesion to all mineral substrates and stainless steel
6.081	KÖSTER CMC Primer	Primer for KÖSTER CMC.
6.084	KÖSTER Bridge Coat	Epoxy sealant for waterproofing bridge decks and other civil engineering structures. Asphalt can be installed directly onto the fully cured coating. It is resistant to high mechanical stresses.
6.085	KÖSTER PUR Bitumen	Polyurethane-sealant for waterproofing horizontal and vertical areas. Resistant to high mechanical stresses, seawater, salt solutions, inorganic, organic acids and bases.



### Floor coatings and primers

5.091	KÖSTER Self-Levelling Floor 15	Self levelling gypsum free flooring compound. Highly resistant to load and abrasion.
5.095	KÖSTER Self-Levelling Floor 2C	Self levelling gypsum free flooring compound for application on top of negative side waterproofing coats
6.01	KÖSTER EM-VS	For sealing of wall and floor surfaces against light to medium stresses
6.06	KÖSTER LF-BM	For priming or mixed with silica sand it forms a coating with a high mechanical resistance
6.03	KÖSTER VAP® 2000	Moisture mitigation system for reduction of water vapor under flooring systems
5.08	KÖSTER Self Leveling IB	Self leveling underlayment intended for leveling permanently moisture burdened damp floors. Resistant to hydrolysis and high alkalinity.
6.03	KÖSTER ORS	Oil removal and coating system for concrete floors. Allows coating of formerly oil contaminated substrates.
4.013	KÖSTER Polysil® OLH	Oil and water repellent impregnation for mineral surfaces



### Roof waterproofing

3.038	KÖSTER Elastic Roof	Two-component, elastic roof waterproofing. White.
11.05	KÖSTER Flex Fabric	Elastic mesh for the reinforcement of thin-layer waterproofings
10.34	KÖSTER KSK ALU Strong	Waterproofing of small roofs
7.06	KÖSTER Dachflex®	Highly elastic coating for the restoration of leaking flat roofs
10.3	KÖSTER KSK AW 15/ SY 15	Cold applied self-adhesive rubber-bitumen waterproofing membranes



### Facades

4.04	KÖSTER Siloxan	Thin fluid impregnation. Makes mineral surfaces water repellent.
4.20	KÖSTER Facade Cream	Impregnation with a creamy consistency. Makes mineral surfaces water repellent.
4.16	KÖSTER Silicone Paint White	Silicone paint, rain- and dirt-repelling. Open to vapour diffusion
5.28	KÖSTER MF 1	Mineral paint for inside and outside use. Effective against algae, mould and fungi.



### Anti-mould-system

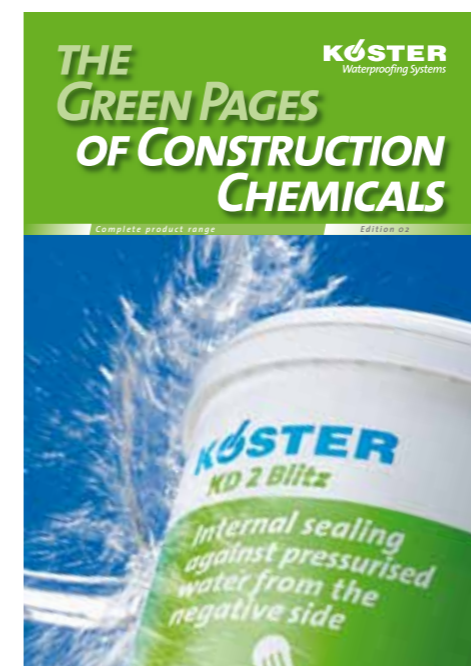
3.159	KÖSTER AMS System Pack	System to prevent mould growth in living areas on a purely physical, non-toxic basis
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### Additives

2.09	KÖSTER Mortar Sealing Liquid	Mortar sealing agent for cement and lime/cement plasters with a plasticizing effect on the mortar
2.11	KÖSTER SB Bonding Emulsion	Provides a plastifying effect, increases the elasticity and reduces the water absorption of cementitious systems.
2.131	KÖSTER BDM	Crystallizing integral waterproofing of concrete elements. Blocks capillaries and has additionally a water-repelling effect
3.0211	KÖSTER NB 1 Flex	Additive for sealing slurries
5.02	KÖSTER Fast Setting Cement	Accelerator for mortars

Please find more detailed information in our technical literature:



[www.koster.eu](http://www.koster.eu)



*Service you can depend on*

*With our service and distribution network in many countries world-wide we can offer you professional advice and technical support immediately and on the spot. Your required waterproofing materials can be delivered promptly and will protect your property efficiently and lastingly.*

*For further information, please contact:*

**KÖSTER**  
Waterproofing Systems

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