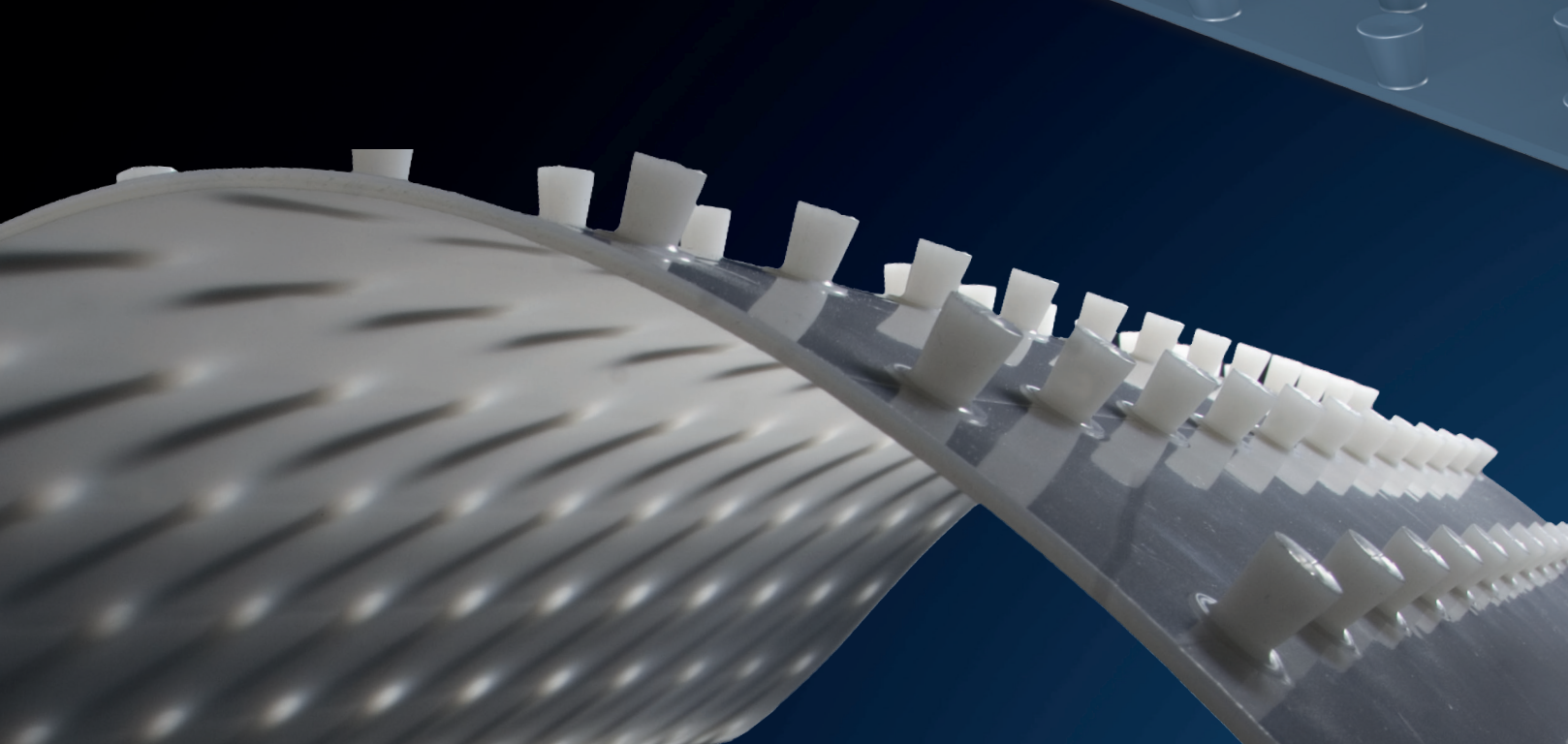




Plastics Engineering | **BEKAPLAST LINING 400™**

Mechanically anchored lining systems
for concrete structures



Safety with System: BEKAPLAST LINING 400™

The idea is as simple as it is brilliant: The combination of concrete – a very solid building material with poor chemical properties – and plastic – a material with high chemical resistance but poor static characteristics. BEKAPLAST LINING 400™ is a high density polyethylene plastic (HDPE). One side of the plastic has conical anchor studs, guaranteeing an inseparable bond with the concrete.

This connection technique between plastic and concrete ensures high resistance to temperature-related deformation.

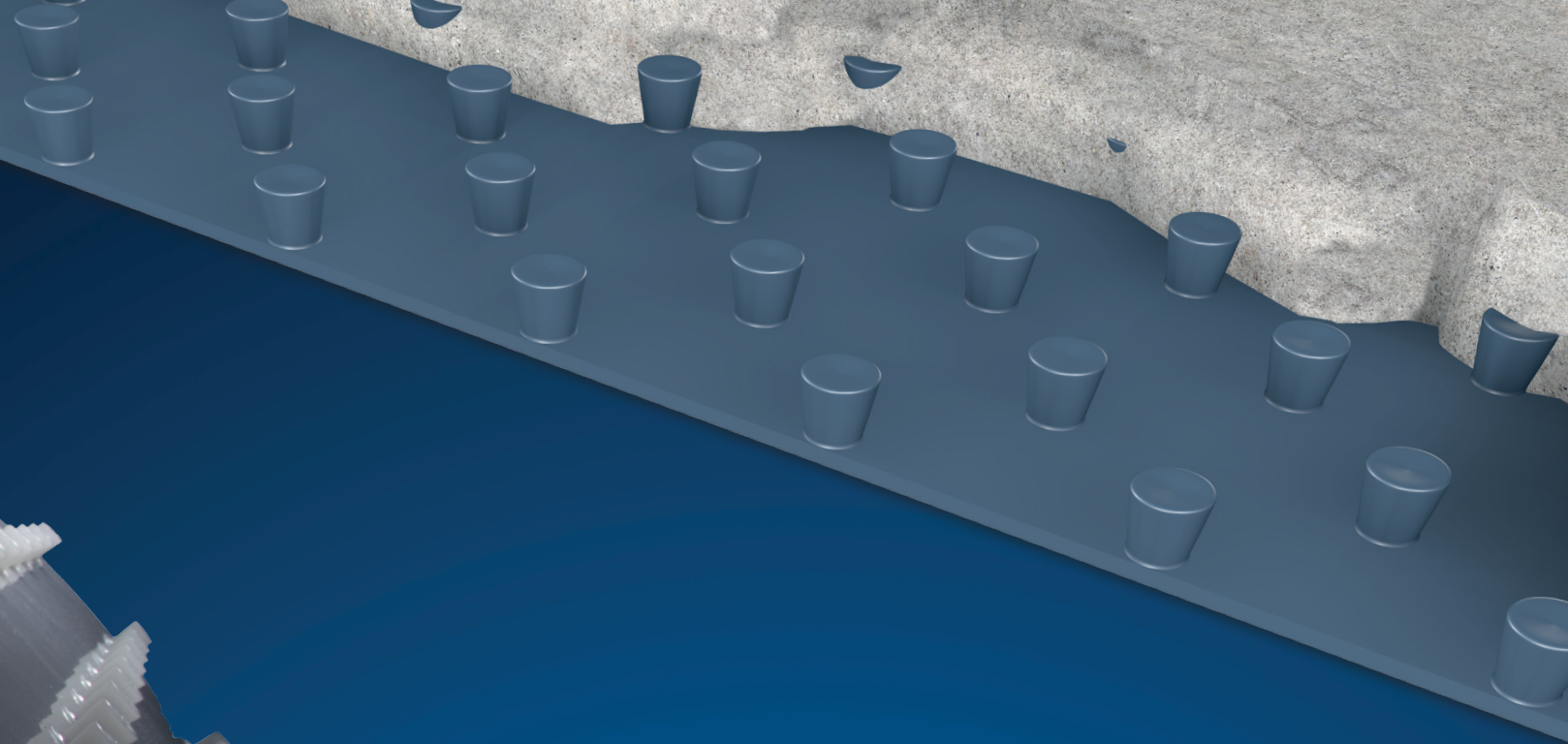
- Mechanical bond between concrete and plastic lining
- High corrosion and chemical resistance
- High impact and mechanical durability that can be welded to ensure a gas and water barrier
- Concrete crack bridging capacity
- Smooth, anti-adhesive inner surface with low friction, preventing incrustation
- Environmentally safe lining material, suitable for drinking water
- Repeatedly checkable for gas and water leakage, easy to repair
- Easy to handle, easy to install



Above picture: Prefabricated, reinforced concrete pipes with LINING 400™.



Above picture: Pipe installation.



Expertise and service ensure safety

Almost 100 years of experience in corrosion engineering and expertise in many other areas of environmental technology make us a strong partner to rely on at any time.

Certified in accordance with DIN ISO 9001/29001, our quality assurance system guarantees expertise and safety from one source – from planning to implementation with STEULER-KCH installation field crews.

Steuler Engineering Service

Analysis and design are the essential foundations for optimum economic and technical project implementation. STEULER-KCH provides comprehensive service: from research and development through to technical consultation, project engineering and installation.

For our customers, this means one point of contact for all product questions, ensuring a high level of efficiency in the project process.



Above picture: Prior to pouring the concrete, the polyethylene bands are laid in the wall formwork and joined with sections.



Above picture: Lining 400™ enables the completely lined potable water tank to meet hygiene requirements while reducing maintenance costs and extending service life.



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Together with its international subsidiaries and representatives, STEULER-KCH offers its customers a worldwide network which develops and implements comprehensive system solutions.

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STEULER-KCH GmbH

Berggarten 1
56427 Siershahn | GERMANY

Phone: +49 2623 600-0
Fax: +49 2623 600-513

E-Mail: info@steuler-kch.de
www.steuler-kch.de

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