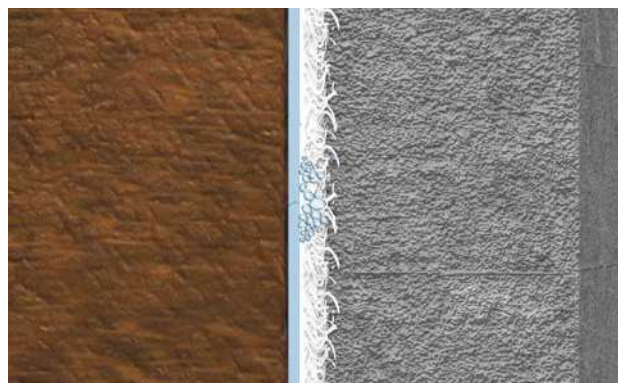
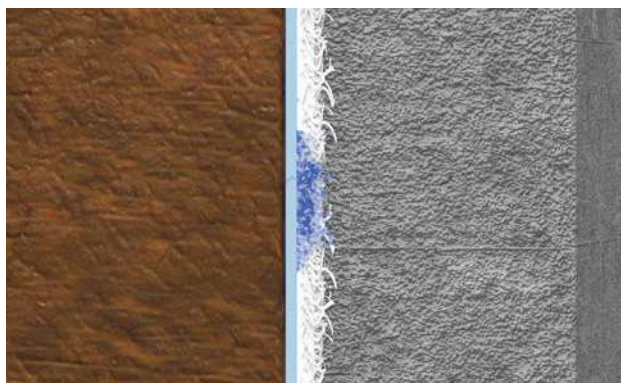


BPA-SilverSeal BPA-EasySeal

SWELLING NON-WOVEN WATERPROOFING MEMBRANES
SOLUTIONS FOR BELOW GROUND REINFORCED CONCRETE
CONSTRUCTIONS, FOUNDATIONS AND TUNNELS

FUNCTION OF THE WATERPROOFING MEMBRANE BPA-SilverSeal



The unique properties of BPA-SilverSeal are attained through two functions: the first sealing function lies in the high-density PE-membrane, the second sealing function is only activated if the membrane is damaged and the incoming water activates the swelling non-woven geotextile. If water penetrates the membrane, the water reactive

polymer swells thus creating an extremely tight, gel-like film which permanently seals the concrete structure. Even small cracks and voids in the concrete are sealed. Furthermore, the swelling capacity and self-healing function prevent water tracking between membrane and the concrete structure.

APPLICATION EXAMPLE

BPA-SilverSeal can be installed in two different ways: BPA-SilverSeal should be fixed onto the prepared substrate with the open side (white) facing the concrete to be waterproofed.



Mechanical fixing to the structural concrete with the appropriate mounting material. BPA-SilverSeal can either be glued with CEM 805 Adhesive or nailed to the concrete. Penetrations caused by nails close automatically when in contact with water.

BPA-SilverSeal can be fixed onto the formwork. The PP-fleece forms a permanent mechanical bond with the freshly poured concrete.

ACTIVE EXTERNAL SURFACE PROTECTION

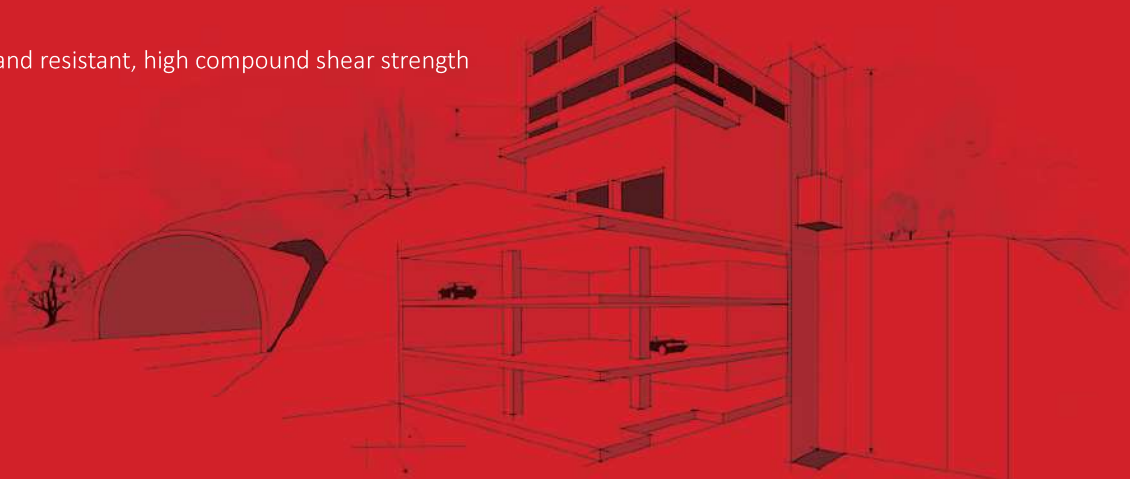


BPA-SilverSeal Swelling Non-Woven is an “active” waterproofing membrane, specially designed for use in structural waterproofing. BPA-SilverSeal is a needle-punched PP-non-woven geotextile impregnated by a super absorber and a water-activated swelling polymer with a high density PE-membrane.

BPA-SilverSeal is designed for the sealing and protection of below ground reinforced concrete structures. It replaces all kinds of conventional waterproofing materials such as bituminous liners, coatings and synthetic membranes. BPA-SilverSeal is an innovative and self-healing waterproofing product. It is highly durable, easy to handle and to install, it offers a strong adhesion to the concrete, is self-healing and swells upon contact with water. BPA-SilverSeal is certified in accordance with DIN EN 13967 (CE-Marking).

ADVANTAGES OF THE WATERPROOFING MEMBRANE

- Double safety and high impermeability due to
- 2 sealing functions (PE-membrane and swelling polymers)
- Quick and easy to install due to low weight (approx. 450 g/m²)
- Can be installed in every season, independently of temperature and weather conditions.
- Tough and resistant, high compound shear strength
- Self-healing: seals small cracks in the concrete by the pressure of the swelling polymers.
- Reduced overlapping percentage due to optimized roll sizes (2 meters)
- BPA-EasySeal is compatible with all existing plastic sealing membranes



PRODUCT VARIATIONS

BPA-SilverSeal

SWELLING NON-WOVEN MEMBRANE

BPA-SilverSeal Swelling Non-Woven, laminated with a high density PE-membrane is designed for the sealing and protection of below ground reinforced concrete structures.



BPA-EasySeal

SWELLING NON-WOVEN MEMBRANE

BPA-EasySeal Swelling Non-Woven PE-membrane. BPA-EasySeal is designed for the sealing and protection of below ground reinforced concrete structures.



ACCESSORIES



BPA-CEM805

Overlaps can be detailed with BPA-CEM805 One-Component Adhesive.



BPA-CEMdicht 3 in 1

BPA-CEMdicht 3 in 1 Mineral Waterproof Sealing Slurry can be applied for the sealing of the connection between the swelling non-woven membrane and the concrete.

FORM OF DELIVERY AND STORAGE

Weight

Approx. 450 g / m²

Dimensions and Form of Delivery

2,00 m x 50 m (100m²)
Special dimensions on request

Storage

BPA-SilverSeal should be stored in dry conditions and protected from frost and direct sunlight.

INNOVATIVE, TESTED AND APPROVED

Our products are independently tested and approved by bodies such as the British Board of Agréement (BBA), MPA Braunschweig, MPA Stuttgart, MPA Leipzig, DIBT (Germany), and Vattenfall Sweden. BPA-SilverSeal Swelling Non-Woven Waterproofing Membrane complies with DIN EN 13967 (CE-marking). A General Building Code Test Certificate has been issued.

Relevant test reports and accreditations are available on request. Our quality management is certified in accordance with the worldwide accepted Standard DIN EN ISO 9001:2015. This certification guarantees the consistent, high quality of all BPA-products.

Our global success is based on our continuous strive for excellence and our long lasting focus on improving construction techniques and performance by developing products that are easy to use and meet the performance criteria required to satisfy the most stringent construction standards worldwide. Due to this strong focus on developing high-quality systems and products we have been awarded a place in the TOP 100 Innovative Companies in Germany for two years in a row.



IN USE WORLDWIDE

For many years we've been active in the production and international sales of our innovative BPA-SilverSeal Swelling Non-Woven Waterproofing Membrane. Due to the simple and efficient application options products made by BPA

are first choice for the durable and fail-safe protection of below ground reinforced concrete constructions and tunnels worldwide.

Please find a small excerpt of our references below:



Aviva Stadium
Dublin | Ireland



Bjørvikatunnel
Oslo | Norway



Wankdorf-Stadium
Bern | Switzerland



Tunnel
Küblis | Switzerland

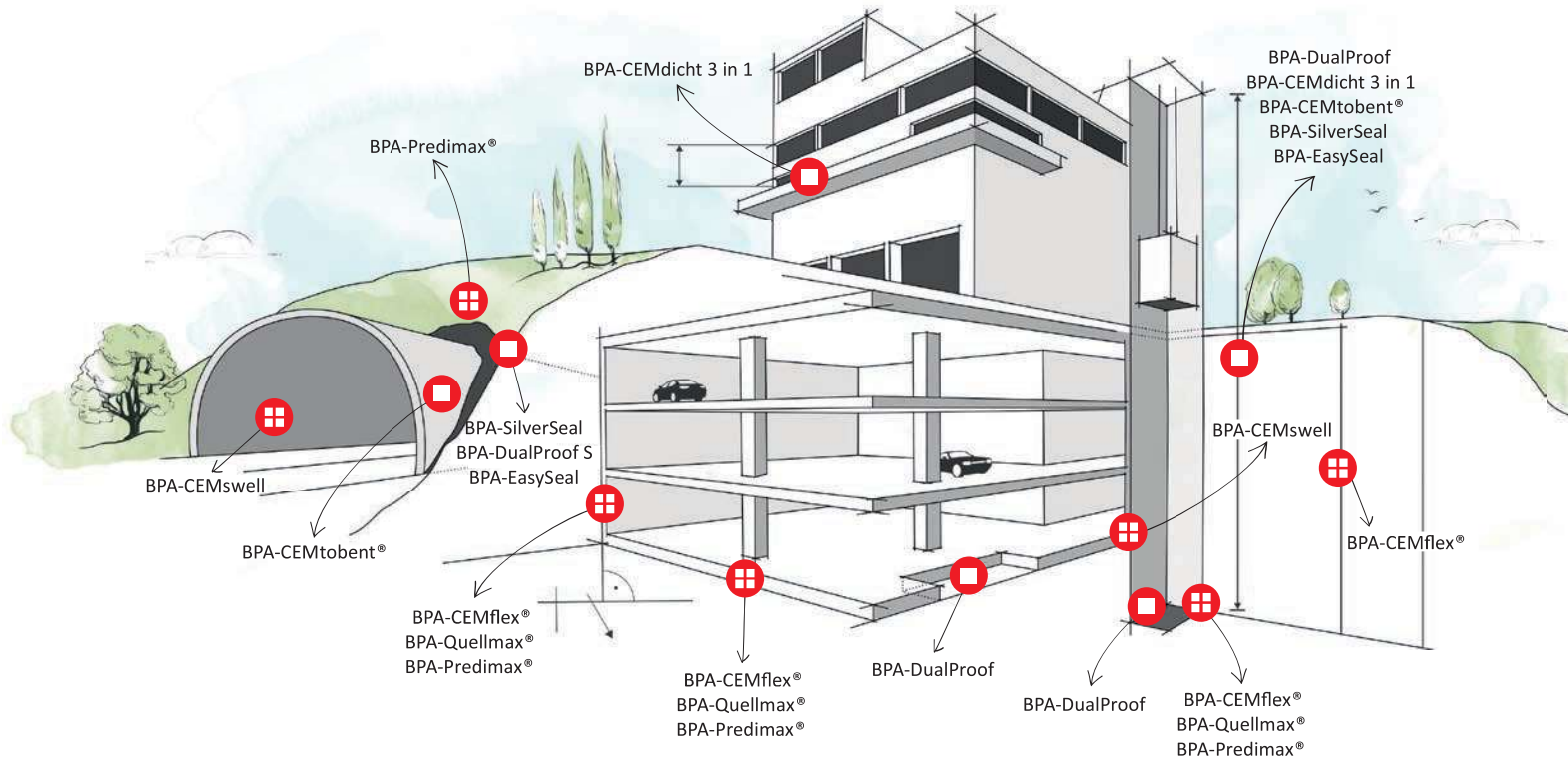


Train Station
Zürich | Switzerland




Train Station S21
Stuttgart | Germany

FURTHER PRODUCTS AND THEIR FIELDS OF APPLICATION MADE BY BPA



 Joint Sealing

 External Surface Waterproofing



BPA
WATERPROOFING SYSTEMS

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