

WACKER

CREATING TOMORROW'S SOLUTIONS

EUROPE I CONSTRUCTION DISPERSIONS I WATERPROOFING MEMBRANES

VINNAPAS® 764 ED FOR CLASS O2 WATERPROOFING MEMBRANES

For cementititious waterproofing membranes with high flexibility at -20 °C

Waterproofing membranes are used to make surfaces or walls impervious to water. They are usually applied to form a watertight but water-vapor-permeable barrier. Key characteristics include easily adjustable product properties, excellent workability, good adhesion under all conditions and excellent crack-bridging. With our new polymer dispersion VINNAPAS® 764 ED, it is possible to formulate waterproofing membranes with excellent performance even in very cold conditions.

High performance at very low temperatures

VINNAPAS® 764 ED is an innovative terpolymer based on vinyl acetate-ethylene-acrylate that combines very high flexibility even at low temperatures with improved adhesion bond strength after all storage conditions.

For class O2 waterproofing membranes

EN 14891 defines a set of criteria for cementitious waterproofing membranes. Both normal and rapid-setting formulations with VINNAPAS® 764 ED easily pass all requirements:

- Water impermeability under hydrostatic water pressure
- Crack bridging at -20 °C
- Tensile adhesion bond strength after all storage conditions

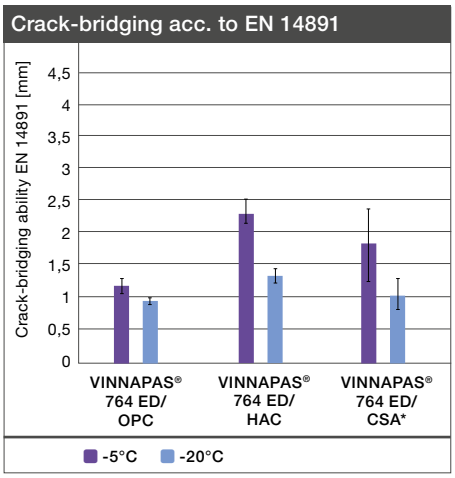
Suitable for all cement systems

VINNAPAS® 764 ED is ideal for 2-component (2K) cementitious waterproofing membranes for indoor and outdoor use. It can be formulated in all cement systems:

- High alumina cement (HAC)
- Calcium-sulfur-alumina cement (CSA)
- Ordinary portland cement (OPC)

Properties of VINNAPAS® 764 ED	
Polymer composition	Vinyl acetate/ethylene/ acrylic acid ester
MFFT [°C]	0
Tg [°C]	Approx. -30
Stabilization system	Surface active ingredients
Solids content [%]	60 ± 2
Viscosity [mPa s]	4,000 – 10,000
pH	4 – 5
Sustainability aspects	No use of organic solvents, BfRXIV-compliant





* Tested with Calumex, Alipre and Readerfast CSA ("error bars" indicate performance range of the three different CSA cements)

With high formulation bandwidth

Due to the high solids content VINNAPAS® 764 ED allows a range of polymer cement ratios. The favorable viscosity profile additionally reduces or even eliminates the need for extra thickeners.

For contact with drinking water

VINNAPAS® 764 ED's ingredients are listed in Recommendation XIV of the Institute for Risk Assessment (BfR). The dispersion thus meets the prerequisites for use in contact with drinking water to the extent that its specific formulation allows.
Furthermore it does not contain solvents, plasticizers or coalescing agents and is manufactured without the use of APEOs.

VINNAPAS® is a registered trademark of Wacker Chemie AG.



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The benefits in 2-component (2K) waterproofing membranes include:

- Significantly improved flexibility and crack-bridging even at very low temperatures
- Enhanced cohesion and adhesion to different substrates
- Increased elongation
- High resistance to hydrostatic water pressure
- Minimal or no odor
- Excellent compatibility with various cements

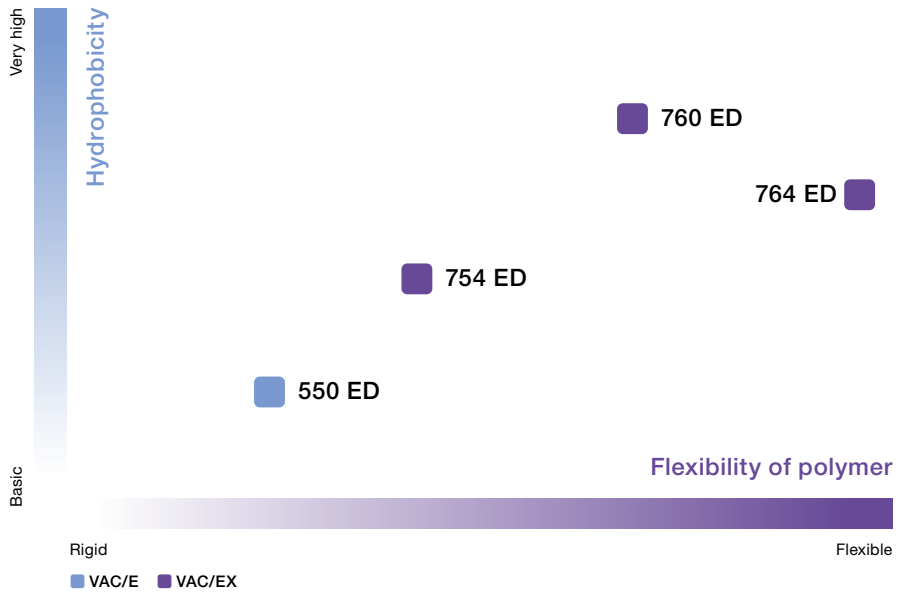
VINNAPAS® 764 ED complements the portfolio of waterproofing membranes for use in very cold surroundings.

Typical applications

Typical applications are:

- Swimming pools
- Wet rooms (bathrooms, kitchens, rest rooms)
- Residential & commercial buildings (basements, plinths, roofs)
- Drinking water (pipes, storage)
- Infrastructure (bridges, car parks, sewerage, drains, tunnels)
- Agricultural water supply (canals, pipes, storage)

VINNAPAS® portfolio for 2K waterproofing membranes



At a glance: properties of VINNAPAS® 764 ED

- Recommended for 2-component (2K) cementitious waterproofing membranes
- High flexibility at low temperatures
- Crack-bridging ability at -20 °C
- Improved adhesion bond strength after all storage conditions
- Produced without the use of APEOs
- BfR XIV compliant
- Suitable for indoor and outdoor use

VINNAPAS®

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