

VINNAPAS® 754 ED FOR WATERPROOFING MEMBRANES WITH IMPROVED CRACK-BRIDGING

High Flexibility and Adhesion for Cementitious Waterproofing Membranes

2-component (2K) cementitious waterproofing membranes are applied to provide surfaces or walls with a watertight but water-vapor-permeable barrier. The key to their long-term functionality is their ability to bridge small cracks caused by movements in the substrate. With VINNAPAS® 754 ED this crack-bridging ability can be improved.

Combining Adhesion and Flexibility

VINNAPAS® 754 ED is a terpolymer based on vinyl acetate-ethylene-vinyl ester that combines high flexibility with excellent tensile adhesion after both dry and wet conditions.

Improved Crack-Bridging

Due to these characteristics VINNAPAS® 754 ED significantly enhances the crack-bridging behavior of 2K cementitious waterproofing systems.

Properties of VINNAPAS® 754 ED	
Polymer composition	Vinyl acetate /ethylene / vinyl ester
MFFT [°C]	0
Tg [°C]	-7
Stabilization system	PVOH & surface active ingredients
Solid content [%]	55 ± 1
Viscosity [mPa s]	100 - 800
pH	3.5 - 5.0
Sustainability aspects	No use of organic solvents, compliant with BfR, Recommendation XIV



Better Workability

VINNAPAS® 754 ED also exhibits good workability as well as very good compatibility with inorganic binders such as ordinary portland cement and high alumina cement.

Application Spectrum

Waterproofing membranes with VINNAPAS® 754 ED are especially recommended for wet areas such as kitchens and bathrooms.

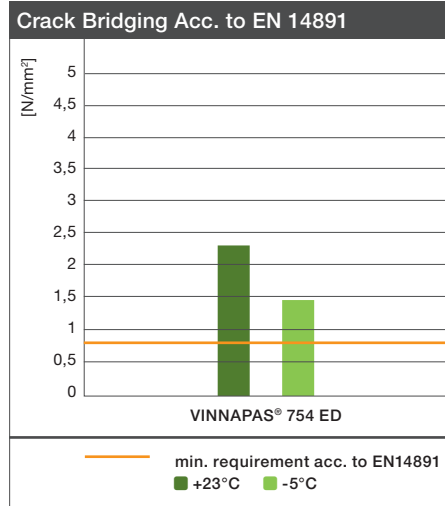


For good crack-bridging properties, the waterproofing membrane needs to combine adhesion and flexibility. The picture shows a thin waterproof coating formulated with VINNAPAS® 754 ED. The specimen can be bent significantly without cracking and detaching from the substrate.

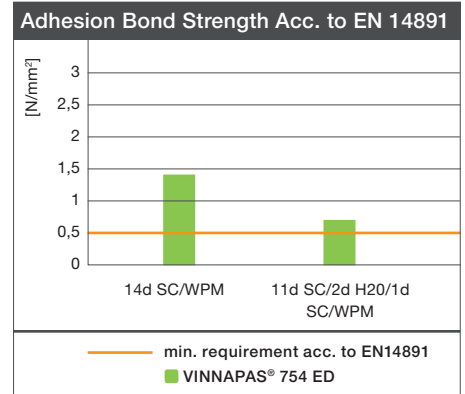
For Class O1 Waterproofing Membranes

EN14891 defines a set of criteria for cementitious waterproofing membranes. Formulations with VINNAPAS® 754 ED easily pass all requirements.

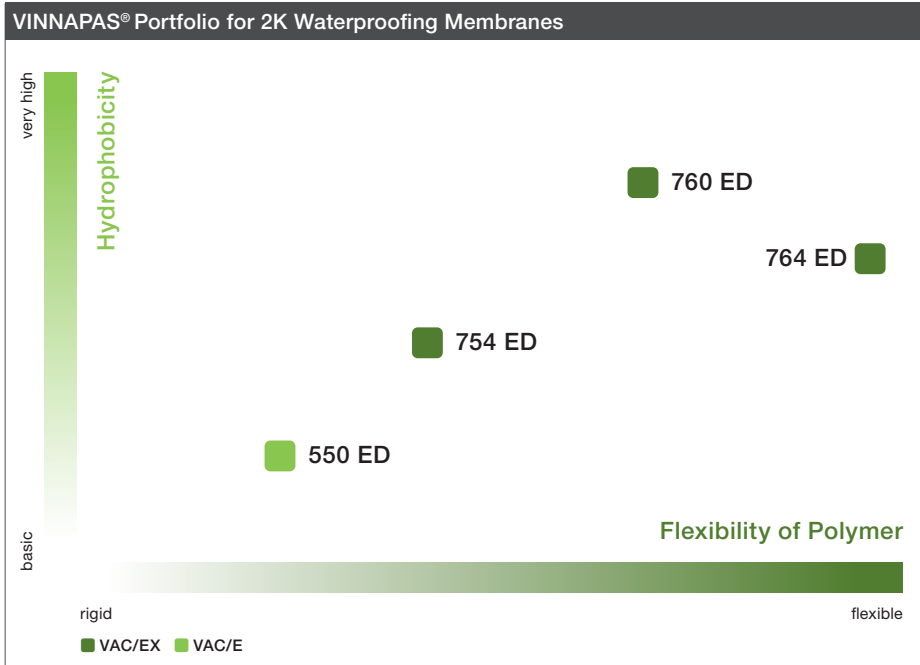
Requirements of EN 14891 for Class O1	
Crack bridging [mm]	≥ 0.75
Adhesion bond strength [N/mm ²]	≥ 0.75
Water tightness [g]	≤ 20 (after 7d at 1.5 bar)



VINNAPAS® 754 ED reliably fulfills O1 criteria for crack bridging at -5 °C.



VINNAPAS® 754 ED provides improved adhesion after water immersion for tile adhesive applied directly on modified waterproofing membranes.



VINNAPAS® 754 ED complements the VINNAPAS® portfolio for 2k cementitious waterproofing membranes

- At a Glance: Properties of VINNAPAS® 754 ED**
- Recommended for 2-component (2K) cementitious waterproofing membranes
 - Improved flexibility
 - Enhanced adhesion bond strength after all storage conditions
 - Good workability
 - Produced without the use of APEOs
 - BfR XIV compliant
 - EMICODE formulations feasible
 - Suitable for indoor and outdoor use

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