

# VINNAPAS® 4040 E: A NEW POLYMER FOR FLEXIBLE WATERPROOFING MEMBRANES

VINNAPAS® 4040 E is a dispersible polymer powder with a new cationic protective colloid system. It was developed to provide essential properties like excellent workability, high flexibility and high mechanical strength, and complements WACKER's existing product portfolio of neutral vinyl-acetate-ethylene-based dispersible polymer powders.

## A New Benchmark for One-Component Waterproofing Membranes

Particularly in formulations with high polymer content and/or low cement content, VINNAPAS® 4040 E shows distinct advantages over state-of-the-art products:

- Improved workability
- Elevated crack-bridging capability
- Higher tensile adhesion.

VINNAPAS® 4040 E may also be used in cement-based grouts and renders, or even in thermal insulation systems.

Product Data of VINNAPAS® 4040 E	
Polymer base	Vinyl acetate-ethylene
Minimum film-forming temperature	0 °C
Stabilization system	Polyvinyl alcohol, high-molecular-weight cationically stabilized polymer
Product class	Enhanced

Recommended Applications	
Waterproofing membranes	●
ETICS	○
Renders	○
Cement-based grouts	○

- Highly recommended
- Recommended



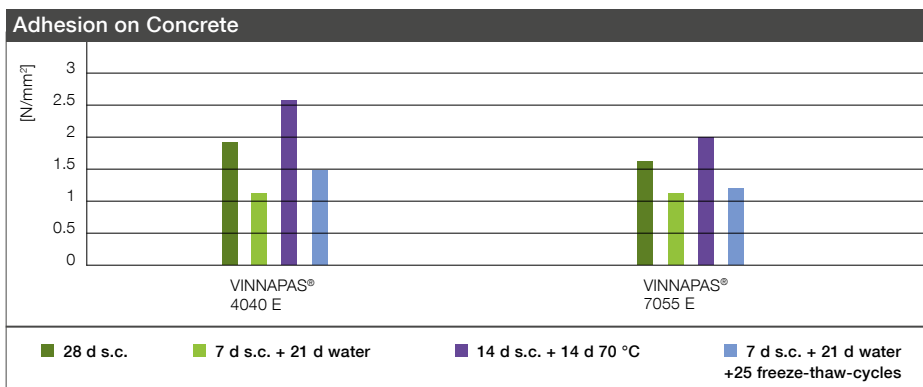
## VINNAPAS® Portfolio for Flexible Waterproofing Membranes

Grade	Product Benefits	Crack-Bridging in Standard Climates
VINNAPAS® 5044 N	Very good tensile adhesion strength on all surfaces and good crack-bridging properties	●●
VINNAPAS® 4040 E	Very high flexibility and crack-bridging properties combined with improved workability in highly modified waterproofing membranes	●●●
VINNAPAS® 7055 E	Very good tensile adhesion strength on all surfaces and very good crack-bridging properties even at low temperatures	●●

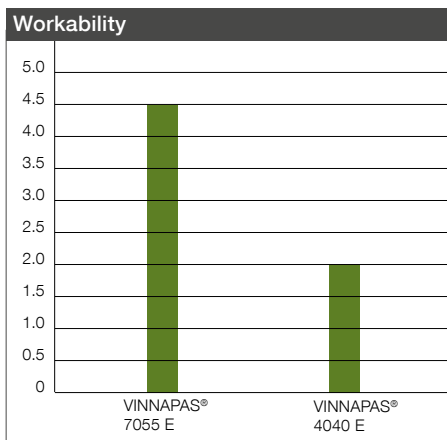
- Good
- Very good
- Excellent

## Improved Characteristics

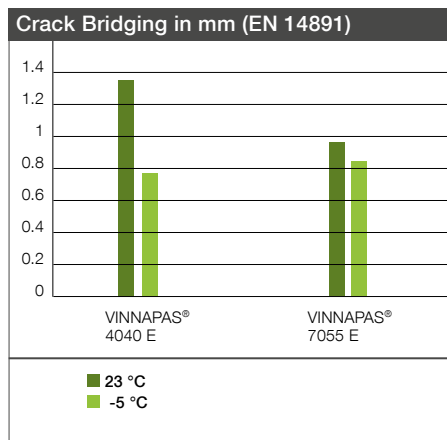
Due to the novel stabilization system, VINNAPAS® 4040 E shows better adhesion, workability and crack-bridging abilities at 23 °C, even compared to VINNAPAS® 7055 E.



One-component flexible waterproofing membrane with 29% dispersible polymer powder.



0= very smooth, 6= very sticky



One-component flexible waterproofing membrane with 29% dispersible polymer powder.

## Talk to Our Experts!

With VINNAPAS®, you profit from global experience and local expertise. Experts at our worldwide technical centers will help you adapt formulations to your local raw materials and optimize and test products on state-of-the-art equipment in our laboratory, in accordance with local and international testing standards. Near the technical centers, you will also find branches of the WACKER ACADEMY – unique training and competence centers that offer specialized seminars on relevant industry topics. Our seminars grant you access to a wealth of unique knowledge accumulated over 70 years of R&D and practical polymers expertise.

## Go for the Optimum!

Polymer and silicone chemistry have changed the construction industry worldwide. WACKER offers you this expertise in a unique way. Only WACKER is at the same time

- A worldwide leader in polymer binders for construction materials
- One of the biggest silicone producers globally
- Close to you with a native expert staff
- Able to offer individual technical assistance through our technical centers.

Our comprehensive portfolio, long experience and strong service will help you find the fitting solution for your specific application.

Talk to us!

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