

EUROPE | DISPERSIBLE POLYMER POWDER | TILE ADHESIVES AND EXTERNAL THERMAL INSULATION COMPOSITE SYSTEMS (ETICS)

NEW VINNAPAS® GRADES FOR ENHANCED WORKABILITY IN TILE ADHESIVES AND ETICS

Easier Troweling With Improved Fresh and Hardened Mortar Properties

VINNAPAS® dispersible polymer powders are used worldwide to improve the properties of tile adhesives and adhesive mortars, among others. Traditionally, the focus has been on the performance of the hardened mortar in the end application. With our new grades VINNAPAS® 8819 E, 4419 E and 4449 E, formulators can additionally enhance the properties of the fresh mortars with significant benefits regarding their workability.

Users Value Good Workability

Laying tiles has become a lot easier with the switch to polymer-modified mortars and the thin-bed technique. Still, the job is strenuous for the users who typically face elbow and shoulder problems. Tile adhesives that are easy to trowel can relieve the joints. This brings the combination of soft consistency with high slip resistance and long open time to the top of the wish list for many professionals.

VINNAPAS® with Improved Workability

The new grades VINNAPAS® 8819 E, 4419 E and 4449 E have been developed to offer benefits going beyond the typical properties of vinyl acetate-ethylene (VAE) dispersible polymer powders. The mortar enjoys the benefit of a creamy consistency, allowing smooth troweling with less resistance and effort. This effect is confirmed by users. Technically it can be measured by determining the viscosity. Our tests show a significant drop in viscosity without affecting other characteristics.

Enhanced Wetting Capability and Open Time

All three VINNAPAS® grades stand out thanks to an improved wetting capability, which makes tiles easier to lay. Open time is equally enhanced, allowing the tiler to cover a larger surface before laying the tiles. Additionally they show very good slip resistance for easy tile installation on walls.

For Simpler Formulations

VINNAPAS® 8819 E, 4419 E and 4449 E are easy to formulate. Depending on the individual formulation, the dosage of other additives can be reduced or even be omitted.

At a Glance:

Properties of VINNAPAS® 8819 E, 4419 E and 4449 E

- Improved fresh mortar workability
- Softer and creamier consistency
- Reduced viscosity
- Improved slip resistance
- Improved wetting capability and open time
- No decline in tensile adhesion strength
- Depending on the individual formulation, the dosage of other additives can be reduced or even be omitted.

"Even mixing the mortar requires less effort as the consistency is immediately softer!"

Alfred, Tile Installer



What do users say about our new VINNAPAS® grades?

Watch the new video on our website:



OUR NEW VINNAPAS® GRADES AT A GLANCE



Properties of VINNAPAS® 8819 E	
Polymer composition	Vinyl acetate/vinyl chloride/ethylene
MFFT [°C]	4
Protective colloid system	PVOH
Flexibility	Hard
Sustainable aspects	Free of plasticizer; produced without using film-forming or coalescing agents

Recommended Applications

- One-component cementitious tile adhesives

Product Benefits of VINNAPAS® 8819 E

- Improved workability and easy troweling
- Enhanced wetting capability, easy laying of tiles
- Improved adhesion, flexural strength, deformability and abrasion resistance of dry-mix mortars
- Suitable for formulating high-quality, low-emission, flexible tile adhesives
- Combining long open time and very good tensile adhesion strength, especially after immersion in water and heat aging



Properties of VINNAPAS® 4419 E	
Polymer composition	Vinyl acetate/ethylene
MFFT [°C]	4
Protective colloid system	PVOH
Flexibility	Hard
Sustainable aspects	Free of plasticizer; produced without using film-forming or coalescing agents

Recommended Applications

- One-component cementitious tile adhesives
- Modifying mortars at the worksite

Product Benefits of VINNAPAS® 4419 E

- Improved workability and easy troweling
- Enhanced wetting capability, easy laying of tiles
- Improved slip resistance especially at higher dosages

The majority of VINNAPAS® grades that contain vinyl acetate can be certified as VINNAPAS® eco according to the mass balance approach. For more information on the mass balance approach and available VINNAPAS® eco grades, please visit www.wacker.com



Properties of VINNAPAS® 4449 E	
Polymer composition	Vinyl acetate/ethylene
MFFT [°C]	0
Protective colloid system	PVOH
Flexibility	Very flexible
Sustainable aspects	Free of plasticizer; produced without using film-forming or coalescing agents

Recommended Applications

- Adhesive and base-coat mortars especially in ETICS applications

Product Benefits of VINNAPAS® 4449 E

- Improved workability and easy troweling
- Improved slip resistance especially at higher dosages
- Improved adhesion, flexural strength, deformability, abrasion resistance and processability of compounds