

VINNAPAS® EF 8860 – YOUR CHOICE FOR LONG-LASTING BONDINGS

Medium-soft, pure vinyl acetate-ethylene (VAE) binder suitable for flooring adhesives with outstanding plasticizer resistance and high cohesion

VINNAPAS® EF 8860 is a vinyl acetate-ethylene copolymer (VAE) ideally suited for the formulation of adhesives for flexible floor coverings such as PVC or carpet. VINNAPAS® EF 8860 is highly resistant to plasticizers commonly used in PVC floorings. Therefore, flooring adhesive formulations based on VINNAPAS® EF 8860 ensure long-lasting bonding in demanding applications.

Properties of VINNAPAS® EF 8860

Solids [wt%]	57 ± 1
Tg [°C]	-10
MFFT [°C]	0
Stabilizing system	Surfactant
Viscosity [cPs]	1,500 ± 1,000
pH	4 – 5
Surface	Slightly tacky

With VINNAPAS® EF 8860 WACKER Introduces a New Generation of Binder for Flooring Adhesives

VINNAPAS® EF 8860 is a pure VAE binder suitable for the formulation of various floor coverings and has been especially developed for applications which require high cohesion and good plasticizer resistance. This makes VINNAPAS® EF 8860 a versatile solution especially for applications in which the floorings must stand up to special demands and rigorous challenges. These range from intensive public traffic in transit areas to heavy rolling loads as they occur e.g. in hospitals.

VINNAPAS® EF 8860 Combines Low-Odor and Very-Low VOC Capability with Strong Adhesion to a Broad Range of Floor Covering

Flooring adhesives are subject to legal regulations concerning environmental and usability issues. VINNAPAS® EF 8860 can be used in formulations that meet the current demands of the most relevant eco labels.

Eco Labels for Flooring Adhesives



Formulations based on VINNAPAS® EF 8860 meet the current demands of the most relevant eco labels and legal regulations in terms of ingredients and emissions of flooring adhesives.

WACKER has a Longterm Experience in the Field of Flooring Adhesives

Terpolymers based on vinyl acetate, ethylene and acrylate such as VINNAPAS® EAF 67 and VINNAPAS® EAF 68 are a standard for binders in flooring adhesives for more than 30 years. They are ideal for a wide variety of flexible floor coverings.

WACKER Polymer Dispersions: Future-Bound Since 1938

- 1938** Industrial-scale production of polyvinyl acetate dispersions starts at our Burghausen site in Germany: VINNAPAS® H 60 is a polyvinyl alcohol-stabilized dispersion for wood glue.

- 1955** WACKER develops the first co-polymer dispersions that minimize the need for plasticizers.

- 1960** The development of VAE technology marks a new era and is an important milestone in the history of dispersions.

- 1980** WACKER develops VINNAPAS® VAE terpolymer grades for flooring applications.

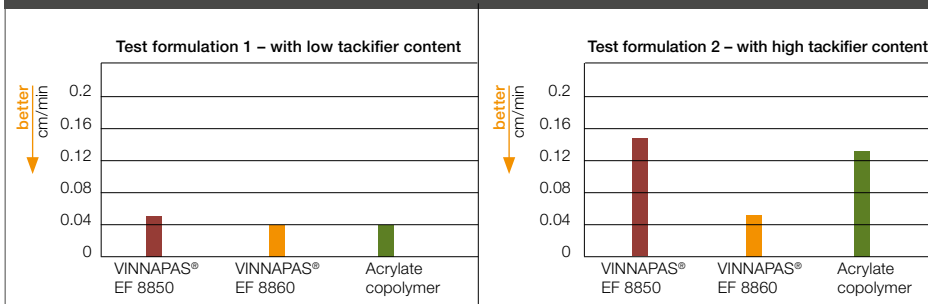
- 1997** WACKER focuses on environmental aspects and develops VINNAPAS® EAF 67 as APEO-free dispersion for flooring adhesives.

- 2015** WACKER introduces VINNAPAS® EF 8860, a VAE copolymer with excellent adhesion for flexible floor coverings.

Flooring Adhesive Formulations Based on VINNAPAS® EF 8860 Feature High-Bonding Strength to the Floor Covering

Together with the high dimensional stability enabled by the high cohesion level of the pure VAE binder, the outstanding adhesion to various floor coverings makes VINNAPAS® EF 8860 the right choice as binder in adhesive formulations for PVC floor coverings, such as PVC sheets and tiles and PVC design floor coverings.

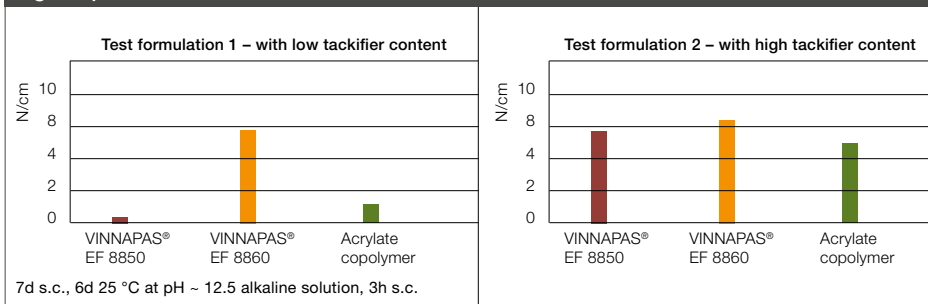
Excellent Creep Resistance of Formulations Based on VINNAPAS® EF 8860 – Even at High Tackifier Content



VINNAPAS® EF 8860 Completes the Product Portfolio of WACKER Products for Flooring Adhesives

Application tests in flooring adhesive formulations with both high and low tackifier content confirmed a high plasticizer and saponification resistance. Independently of the tackifier content, the adhesive formulations also showed outstanding levels of cohesion. In combination with the high adhesion confirmed in peel strength tests similar to DIN EN 1372 this ensures long-lasting bondings and contributes to an excellent dimensional stability of floor coverings glued with flooring adhesives based on VINNAPAS® EF 8860.

High Saponification Resistance of Formulations Based on VINNAPAS® EF 8860



At a Glance: Properties of VINNAPAS® EF 8860

- Excellent workability
- Outstanding cohesive strength and heat resistance
- High resistance towards plasticizers and alkali
- Acrylate-free, pure VAE technology
- Strong adhesion to various substrates

High Peel Strength of VINNAPAS® EF 8860 Based Formulations in Adhesion Test (Based on DIN EN 1372)

