

VINNAPAS® EP 8010

High-Performance Binder with Excellent Adhesion on Nonpolar Substrates

VINNAPAS® EP 8010 is a high-performance vinyl acetate-ethylene (VAE) dispersion developed to meet the continuously increasing requirements for binders used in the paper & packaging industry. It combines high adhesion on difficult-to-bond substrates with the latest paper & packaging formulation demands, including outstanding setting speed, high heat resistance, and excellent machinability.

Responding to Market Trends

Its highly innovative and advantageous set of attributes puts VINNAPAS® EP 8010 at the cutting edge of VAE technology. This high-performance binder thus meets current and developing trends within waterborne adhesives for the paper & packaging industry. Among these trends is the need for improved bond strength, especially in achieving the right balance between heat resistance and adhesion on difficult-to-bond surfaces.

Another focus lies in the industry's demand for improved productivity and operating efficiency, based on excellent setting speed and cleanability. This makes VINNAPAS® EP 8010 especially suitable for use in high-speed roller applications.

Excellent Adhesion on Difficult-to-Bond Substrates

VINNAPAS® EP 8010 demonstrates best-in-class adhesion characteristics on a wide variety of surfaces such as soft PVC, hard PVC, polyester, polystyrene, and lacquered surfaces.

High Heat Resistance

VINNAPAS® EP 8010 features an excellent balance between high adhesion and significantly improved heat resistance (160 °C), together with an optimized level of cohesion. Thus, VINNAPAS® EP 8010 can be used on a wide variety of low-energy surfaces.

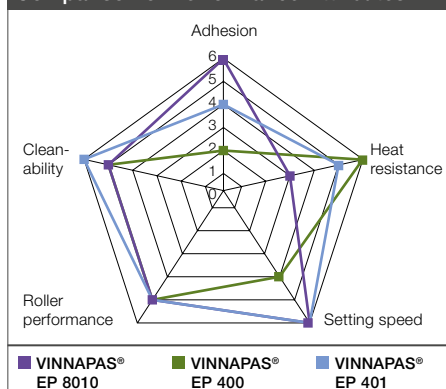


Comparison of Heat Resistance*

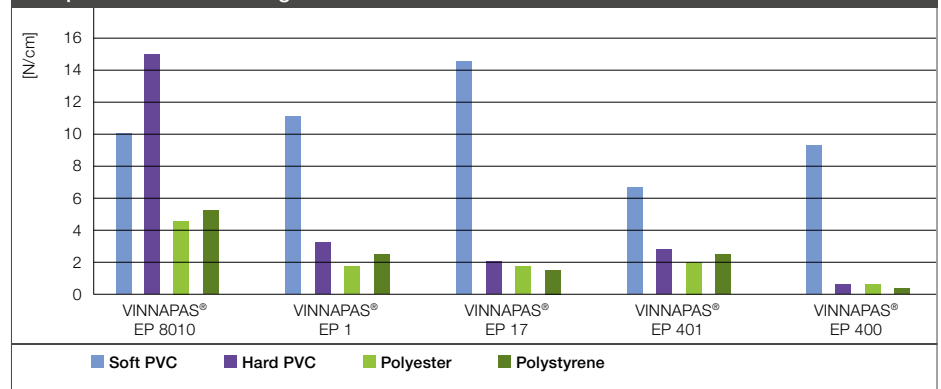
Product	Temperature of Failure in °C / Paper-on-Paper	Temperature of Failure in °C / Wood-on-Wood
VINNAPAS® EP 8010	> 110	> 160
VINNAPAS® EP 1	> 110	> 120
VINNAPAS® EP 17	> 110	> 160
VINNAPAS® EP 401	> 110	> 180
VINNAPAS® EP 400	> 110	> 180

* WACKER method, static load

Comparison of Performance Attributes



Comparison of Peel Strength*

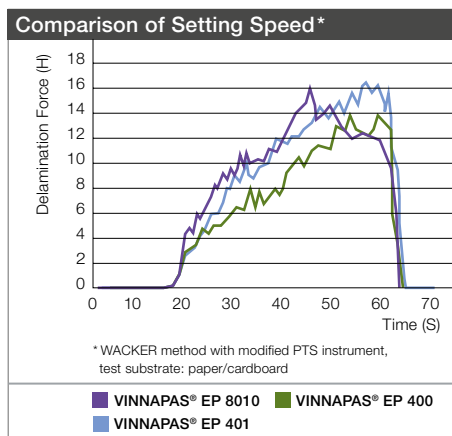


* WACKER method as per DIN EN ISO 11339, test substrates: cotton/plastic film



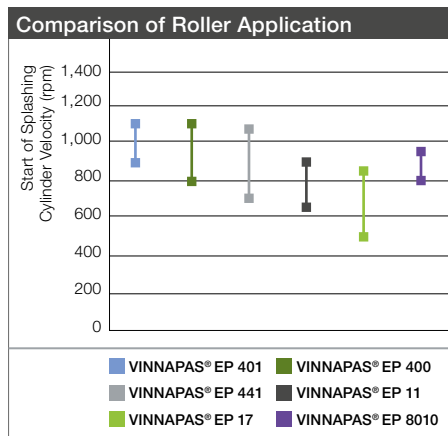
Excellent Setting Speed

The setting speed of VINNAPAS® EP 8010 is faster than that of VINNAPAS® EP 400 – a widely used paper & packaging dispersion. It is on the same level as VINNAPAS® EP 401, recognized as one of the fastest VINNAPAS® grades.



Superb Machinability with Easy Cleanability

VINNAPAS® EP 8010 is designed to perform well especially in industrial roller applications. It shows an excellent re-emulsification behavior and thus contributes to quick and easy cleanability.



New Application Potential

Although designed for the paper & packaging industry, the high degree of adhesion on difficult-to-bond substrates, coupled with its high heat resistance, makes VINNAPAS® EP 8010 applicable to other fields of use, too. Contact us to discuss what we can do for you and your specific market.

At a Glance: Benefits of VINNAPAS® EP 8010

- Best-in-class adhesion on difficult-to-bond substrates
- High heat resistance
- Excellent setting speed compared to standard VAE grades
- Excellent adhesion/cohesion balance
- Superior re-emulsification behavior
- Superb roller machinability
- Quick and easy cleanability

Environmental and Health Benefits

Thanks to its copolymer composition, VINNAPAS® EP 8010 enables the formulation of plasticizer-free paper & packaging adhesives with low migration potential and, thus, supports our customers in order to comply with European legislation for food-contact materials.

VINNAPAS® Plus – The Plus for Your Market

VINNAPAS® Plus dispersions are designed to meet the latest trends and are select, cutting-edge solutions for more advanced, high-end applications.

Find out more at: www.wacker.com/value-classes

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