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BRINGING IDEAS TO LIFE IS OUR PARTICULAR EXPERTISE

Your Environmental Partner
VINNOL® and VINNAPAS® dispersion binders allow for the manufacture of nonwovens from renewable resources.

Your Technical Partner
WACKER is one of the world's leading suppliers of high-quality binders and polymer additives. VINNOL® and VINNAPAS® dispersion binders are used in the manufacture of nonwovens from renewable resources since the 1960s. Our dispersion binders are based on state-of-the-art technology and provide tailored solutions to meet individual requirements.

Your Innovative Partner
WACKER's research and development department is continually improving the product range of nonwovens and applications for the dispersion binders.

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Products such as wipes, napkins, filters for medical use and textile-based hygiene products are dependent on nonwoven materials. WACKER’s VINNAPAS® and VINNOL® dispersion technology offer high-performance combined with low-odor, low-VOC and are produced without dispersions. They are extremely safe in skin and food contact applications. The binders with VINNAPAS® VAE are produced without dispersions, they are extremely safe in skin and food contact applications. They are extremely safe in skin and food contact applications.

**Applications and Properties at a Glance**

- **Wet wipes**
  - Filtration
  - Fibrils
  - Fast blowing
  - Low mourant strength
  - Pleatability
  - Soft hand feel
- **Vertical blinds**
  - Vertical blinds
  - Dust control
  - Absorbency
  - Heat resistance
  - Dimensional stability
- **Table top**
  - Shear resistance
  - Printability
  - Food contact compliance
  - Absorbency
  - Heat resistance

**Improve Your Performance Through Technical Support**

- **Technical Services**
  - Product development
  - Technical assistance
  - Analytical evaluation
  - Processing assistance
  - Hands-on support in your production site
- **Our services include**
  - Analytical lab work
  - E-business solutions
  - Advice on increasing productivity
  - Testing products on pilot airlaid lines
  - Individual warehousing and logistics
- **At our state-of-the-art technical centers,**
  - We support you by developing formulae, hands-on support in your production site, and developing processes for our dispersions technology.
- **Our services include**
  - Customizable coatingate and material involvement
  - Analysis of plants and applications
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**Textiles and Technical Nonwovens**

VINNAPAS® and VINNOL® dispersions offer high performance combined with low-odor, low-VOC and are produced without dispersions. They are extremely safe in skin and food contact applications. They are extremely safe in skin and food contact applications.

**Your Global Partner With Local Support**

With WACKER, you are supported by:

- **Technical Center & WACKER ACADEMY**
  - R&D – on three continents
  - Regional centers for technical support across five continents
  - High-temperatur resistance
  - Abrasion resistance
  - Flame retardancy
  - Dimensional stability
  - Breathability
  - Weather resistance
  - Drape resistance
  - Heat resistance

**Vinyl Compounds**

- **Vinyl Compounds**
  - Heat resistance
  - Abrasion resistance
  - Flame retardancy
  - Dimensional stability

**With WACKER, You are Supported by:**

- **Customer service – dedicated team for each customer**
- **Regional centers for technical support**
- **Individual warehousing and logistics**
- **Analytical lab work**
- **E-business solutions**
- **Advice on increasing productivity**
- **Testing products on pilot airlaid lines**
- **Customizable coatingate and material involvement**
- **Analysis of plants and applications**
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**Our services include**

- **Analytical lab work**
- **E-business solutions**
- **Advice on increasing productivity**
- **Testing products on pilot airlaid lines**
- **Customizable coatingate and material involvement**
- **Analysis of plants and applications**

**Textiles and Technical Nonwovens**

VINNAPAS® and VINNOL® dispersions offer high performance combined with low-odor, low-VOC and are produced without dispersions. They are extremely safe in skin and food contact applications.
Products such as wipes, napkins, filters and textiles. Binders with VINNAPAS® VAE in the production of nonwovens and sanitary towels could not exist in their current state, and are indispensable starting materials for their manufacture.

VINNAPAS® and VINNOL® dispersion technologies offer high performance combined with low-odor, low-VOC and are produced without APEO – our customers only use non-APMO dispersions and have a wide range of benefits.

Our services include: – hands-on support in your production site. – from analytic tests in our laboratories to customized formulations for your product developments – from technical support to product and market applications and market launches. – testing and product development in adjusting the property profile. Nonwovens are characterized by their versatility. They provide nonwovens with outstanding properties, such as fire retardancy, dimensional stability, absorbency or solvent resistance. In technical nonwovens VINNOL® can be readily heat sealed and HF weldable, and feature high-chemical resistance, and thereby ensure optimum productivity combined with low-odor, low-VOC and are produced without APEO – our customers only use non-APMO dispersions and have a wide range of benefits.

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Products such as wipes, napkins, filters and textiles. Binders with VINNAPAS® VAE in the production of nonwovens and are indispensable starting materials present form without dispersions. They are extremely safe in use and best value for money but which also fulfill the requirements of various utility, such as...
Products such as wipes, napkins, filters and textile coatings made with VINNAPAS® dispersion technology offer high performance combined with low odor, brightness, wash resistance, and thereby ensure optimum results in final applications.

**Products**

- Anti-fogging and anti-wet products
- Vertical blinds and roller blinds
- Table tops, moist wipes and personal hygiene products
- Sanitory towels
- Upholstery, acoustic and fire resistant materials
- Hygiene products

**Valuable Attributes**

- Breathability
- Printability
- Durability
- Food contact compliance
- Absorbency
- Abrasion resistance
- Dimensional stability
- Burst strength
- Heat sealable

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**Your Global Partner with Local Support**

With WACKER, you are supported by:

- Regional centers for technical support – dedicated teams in your region
- Regional sales offices – local experts
- Production sites in Cologne, Burghausen, Calvert City, Nanjing, São Paulo, Moscow, Shanghai, Zhangjiagang, Seoul, Ulsan
- R&D – on three continents for each customer

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**Applications and Properties at a Glance**

**Wet wipes**

- Anti-fogging
- Absorbency
- Abrasion resistance
- Burst strength

**Vertical Blinds**

- Printability
- Abrasion resistance
- Heat sealable
- Perforated

**Feminine hygiene**

- Food contact compliance
- Abrasion resistance
- Burst strength
- Heat sealable

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**Your Nonwovens and Technical Textiles**

**Technical and Functional Properties**

- Breathability
- Printability
- Decorative
- Abrasion resistance
- Dimensional stability
- Burst strength

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**Improve your performance through technical support**

- Extensive service
- Hands-on support in your production site
- – from analytic tests in our laboratories to optimization phases of your manufacturing processes
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**Enhance your nonwovens and technical textiles**

- Products such as wipes, napkins, filters and textile coatings made with VINNAPAS® dispersion technology offer high performance combined with low odor, brightness, wash resistance, and thereby ensure optimum results in final applications.

- They are extremely safe in skin and food contact and are thus suitable for many applications, such as napkins in sensitive applications, high-quality wipes for home and hygiene products or sanitary towels.

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