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# Textile Lamination



✉ info@frimpeks.com

🌐 frimpeks.com

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# Who We Are?

## Beyond The Limits...

With more than 30 years of experience in the industry, we work around the clock to provide seamless customer experience to many industries (i.e. Food and Beverage, Logistics and Transportation, Personal Care, Retail,

Petroleum, Chemistry, Automotive, Furniture, Glass, Plastic, Packaging and Digital Media etc.) with a wide product range including in both business divisions including Self-adhesive products and chemistry.

## These product ranges are as follows,

- Self-adhesive Products
    - Pressure-sensitive Label Materials
    - Graphics Products and Solutions
  - Inks and Coatings
    - UV
    - Water-based
- Industrial Adhesives
    - Flexible Packaging
    - Laminating Adhesives
  - Wood and Building Elements
    - PUR Hotmelt Adhesives
    - Liquid PU Adhesives
    - Water-Based Acrylic Adhesives
    - PUR Dispersion Adhesives
- Textile Chemicals
    - Hotmelt Adhesives for Textile Lamination
    - WB PU Dispersions
    - WB Pigment Pastes
    - WB Acrylic Bonders

# Textile Lamination

The textile industry, crucial for everyday items such as bedding, upholstery, and clothing, has grown substantially. There has been a notable expansion in the variety of materials, particularly with lamination techniques using adhesives to create strong and reliable bonds.

The technical textiles industry has consistently expanded in recent decades, driven by contemporary trends and evolving needs. This growth has significantly enhanced the value of textiles through the strategic development of multi-layer composites.

The PURPEKS series of PUR adhesives offers a comprehensive range of solutions meticulously designed to meet specific requirements and incorporate alternative technologies. These solutions incorporate features like wash resistance, breathability, and precise mechanical properties. Considering the diverse range of textile substrates and the virtually limitless combinations available, each possesses unique characteristics, requiring careful and customized solutions.

| REACTIVE PUR HOTMELT ADHESIVES |                        |                         |                         |         |               |      |  |
|--------------------------------|------------------------|-------------------------|-------------------------|---------|---------------|------|--|
| Product                        | Viscosity 80 C (mPa.s) | Viscosity 100 C (mPa.s) | Viscosity 120 C (mPa.s) | Textile | Membrane film | Foam | Characteristics / Applications   |
| PURPEKS 505.30                 | 10.200                 | 3.200                   | 1.100                   | ✗       | ✗             | ✗    | Excellent universal product with wide adhesion spectrum, fast crosslinking |
| PURPEKS 505.60                 | 13.200                 | 4.000                   | 1.400                   | ✗       | ✗             | ✗    | Excellent universal product with wide adhesion spectrum                    |
| PURPEKS 518                    | 43.000                 | 13.500                  | 6.500                   | ✗       | ✗             |      | Outdoor curtain, good hydrolysis and washing resistance                    |
| PURPEKS 526                    | 50.500                 | 10.750                  | 2.500                   | ✗       |               |      | High initial strength, heavy textiles, fast crosslinking                   |
| PURPEKS 508                    | 22.000                 | 10.000                  | 5.750                   | ✗       | ✗             |      | Very good for membrane lamination, PTFE, soft textile touch                |
| PURPEKS 521                    | 60.000                 | 23.000                  | 11.000                  | ✗       | ✗             |      | High initial strength, high viscosity, heavy textiles                      |
| PURPEKS 500                    | 31.000                 | 10.000                  | 3.900                   | ✗       | ✗             | ✗    | Excellent universal product with wide adhesion spectrum                    |
| PURPEKS 507                    | 7.500                  | 3.500                   | 1.900                   | ✗       | ✗             |      | PTFE membrane, good washing resistance                                     |

| PURPEKS CLEANERS    |        |   |
|---------------------|--------|---|
| PURPEKS CLEANER 900 | Liquid | For cylinder cleaning. Flash point -6°C                               |
| PURPEKS CLEANER 910 | Liquid | For cylinder cleaning. High flash point                               |
| PURPEKS CLEANER 920 | Solid  | 8.000-12.000 cp viscosity at 120°C. For drum melter and hose cleaning |
| PURPEKS CLEANER 950 | Liquid | For cylinder cleaning. Flash point 65°C                               |

