



## // BINDERS FOR PASTE AND FOAM COATINGS //

A polyurethane coating has hundreds different functions and adds value to your substrates, improving resistance to water, oil, fire, scratches, light and wind.

The Lamberti waterborne polyurethane dispersions are very versatile and they can be used in several different applications assuring good stability with different kind of fillers, such as pigments or flame retardants beyond that a sustainable coating with a low content of solvents and VOCs.

Our binders are commonly used in applications where the flame-retardancy and good printability are essential needs, like black-out curtains or advertisement panels.

### **Main characteristics**

- Easy to formulate
- Stable to charge addition (caoline, titanium dioxide, silica, flame retardant agents, fillers)
- Stable from pH to upper 12
- Good printability
- High elasticity
- Soft touch
- High washing and rubbing fastness (crosslinked)
- High hydrolysis resistance (crosslinked)
- No light or thermo yellowing under normal condition
- Waterborne polyurethane dispersions based on aliphatic polyurethane with high solid and low VOC

To achieve better washing fastness and mechanical strength the addition of a crosslinking agent among ROLFLEX® BK series (3-10% w/w) is suggested, followed by curing at 140-160 °C.





## General properties

| Products       | Active content | Elongation at break | Tensile strength at 100% elongation | Tensile strength | Solvent | Charge digestion | Padding | Printing | Foaming |
|----------------|----------------|---------------------|-------------------------------------|------------------|---------|------------------|---------|----------|---------|
| ROLFLEX® HD 17 | About 60%      | 450                 | 4                                   | 20               | Free    | Good             | No      | Yes      | Yes     |
| ROLFLEX® ZB 7  | About 50%      | 800                 | 0.5                                 | 4                | Low VOC | Very good        | No      | Yes      | Yes     |
| ROLFLEX® BZ 78 | About 50%      | 600                 | 1.1                                 | 5.5              | Low VOC | Very good        | No      | Yes      | Yes     |
| ROLFLEX® 959   | About 45%      | 700                 | 2                                   | 10               | Low VOC | Good             | No      | Yes      | Yes     |
| ROLFLEX® RDP   | About 40%      | 730                 | 0.2                                 | 1.5              | Low VOC | Good             | Yes     | Yes      | Yes     |
| ROLFLEX® DV 5  | About 35%      | 650                 | 4                                   | 17               | DPGDME  | Good             | No      | Yes      | No      |



### Lamberti Group Headquarters

Via Marsala, 38/d  
21013 Gallarate (VA) - Italy

Business Unit Soft Coating Compounds  
Textile Coating & Synthetic Leather  
Phone +39 0331 715 763  
Fax +39 0331 715 800  
textiles@lamberti.com