

Key Benefits of our PVB Resins

Exceptional Adhesion for Complex Substrates

Our PVB resins ensure strong adhesion to metals, plastics, and glass, which makes them ideal for difficult applications such as **automotive refinish coatings**, **can coatings**, and **corrosion protection** systems.

Superior Flexibility and Durability in Demanding Applications

Designed to withstand mechanical stress and environmental exposure, our PVB resins offer unmatched flexibility and durability. They are particularly well-suited for **stoving enamels**, **film lacquers**, **heat-sealable lacquers**, and **gear paints**, where coatings need to resist cracking, peeling, and abrasion under stress.

High Transparency for Clear and Aesthetic Coatings

Our resins deliver excellent optical clarity, making them ideal for **wood sealing varnishes** and **plastic surface finishes**, where a flawless, transparent finish is crucial for both protection and aesthetics.

Moisture and Chemical Resistance for Harsh Conditions

Offering excellent protection against moisture, solvents, and chemicals, our PVB resins ensure long-lasting performance in **wash primers**, **zinc-rich primers**, and **oil-resistant lacquers**, which are often exposed to harsh environmental conditions.

Customizable Solutions for Specific Performance Needs

With a range of grades available, our resins can be tailored to suit specialized applications such as **road marking paints** (with enhanced UV resistance and durability), **strippable packaging coatings** (with quick-drying properties), and **radiator primers** and **topcoats** (resistant to heat and moisture).

Innovative Applications for Emerging Technologies

Our PVB resins also cater to modern technologies like **3D printing**, **thermoplastic processing**, and **hot melts**, offering excellent flexibility, strength, and processability.



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chemicals@hubergroup.com



www.hubergroup.com

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PVB Resins for Coatings

One Resin, Countless Applications: The Power of PVB



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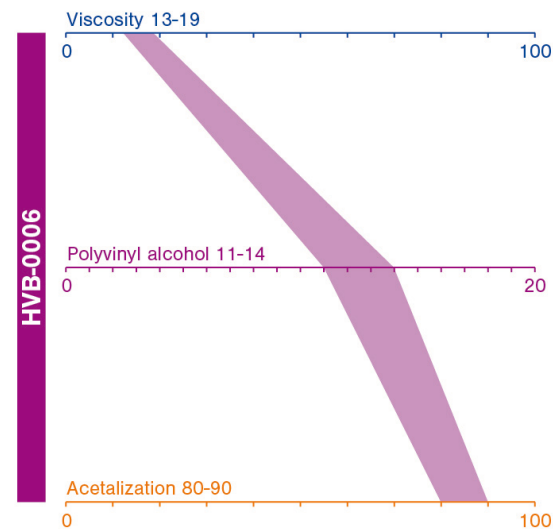
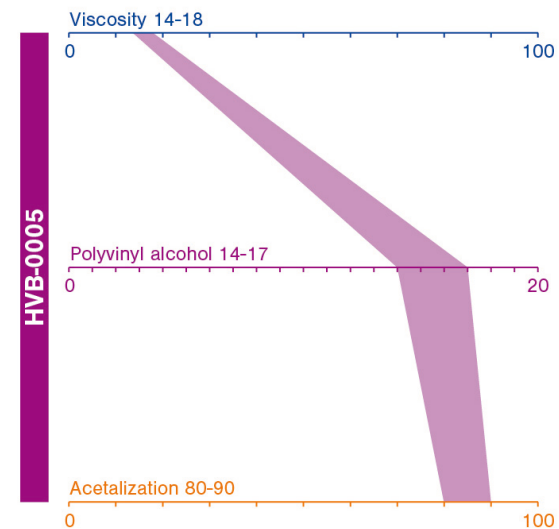
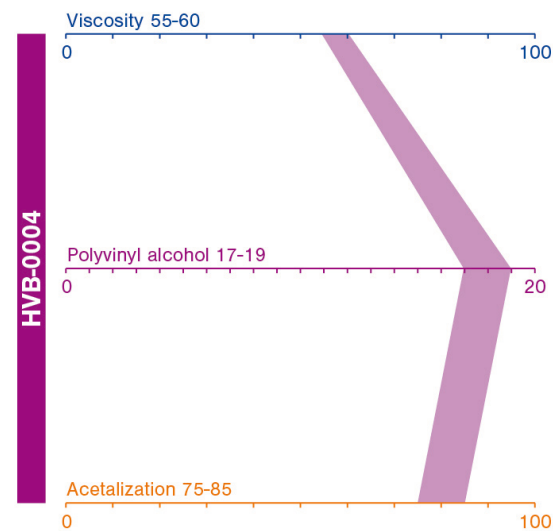
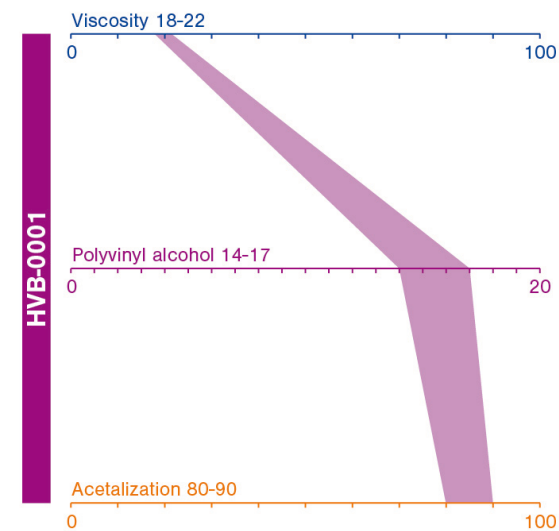
Unlock Endless Possibilities with PVB Resins in Coatings

Key Facts: Our PVB resins provide versatile solutions for the coatings industry, offering exceptional adhesion, flexibility and durability in a range of applications including corrosion protection, hot melts and film lacquers, ensuring high performance in the most demanding environments.

What is PVB? Polyvinyl butyral (PVB) is synthesised by the reaction of polyvinyl alcohol (PVA) with butyraldehyde. The resulting polymer contains a balance of acetal groups to provide flexibility and chemical resistance, hydroxyl groups for strong adhesion and residual acetate groups to enhance solubility in various solvents.

What are the benefits to you? This unique combination of functional groups gives PVB resins their excellent film-forming properties, making them ideal for coating applications that require a balance of durability, clarity and environmental resistance.

Our Product Range:



Viscosity: in seconds at 30 °C; FCB4; 10% solution in ethanol

Application Areas

Applications	HVB-0001	HVB-0004	HVB-0005	HVB-0006
Corrosion protection/ shop primers/ wash primers	●●●	●●●	●●●	●●●
Radiator primers/ topcoats	●●●	●●●	●●●	●●●
Hotmelts	●●●	●●●	●●●	●●●
Coil coatings	●●●	●●●	●●●	●●●
Heat-sealable lacquers	●●●	●●●	●●●	●●●
Wood sealing varnishes	●●●	●●●	●●●	●●●
Printing inks	●●●	●●●	●●●	●●●
Road marking paints	●●	●●●	●●●	●●●
Plastic surface finishes	●●	●●●	●●●	●●●
Nitrocellulose lacquers	●●	●●●	●●●	●●●
Strippable packaging coatings	●	●●●	●●●	●●●
Candle coatings	●●●	●●	●●	●●
Automotive refinish coatings	●●	●●●	●●	●●
Oil-resistant lacquers	●●●	●●●	●●●	-
Can Coating	●●	●●●	●●	●●
Zinc-rich primers	-	●●●	●●	●●

●●● highly recommended ●● recommended ● limited suitability - not recommended

Solubilities

Solvents	HVB-0001	HVB-0004	HVB-0005	HVB-0006
Butanol	●●●	●●●	●●●	●●●
Ethanol	●●●	●●●	●●●	●●●
Ethylacetate	●●	-	●●●	●●●
Methanol	●●	●●	●●	●●●
Aceton	●●	-	●●	●●
MEK	-	-	●	●
Xylene	-	-	-	-

●●● very good solubility ●● good solubility ● decent solubility - not soluble

