PRODUCT INFORMATION

Celanese
The chemistry inside innovation™

Emulsions for Woodworking Adhesives

Polyvinyl acetate (PVAc) emulsions for woodworking adhesives

Resyn® X-208:
- 2-part vinyl acetate homopolymer (ASTM Type II or European D3)

Vinac® DPN890:
- 1-part vinyl acetate homopolymer (ASTM Type II or European D3)

Vinac DPN217:
- Vinyl acetate homopolymer used as wood adhesive base emulsion (catalyst free)

Resyn 5763:
- Vinyl acetate homopolymer designed to provide excellent adhesion to wood (adjusted viscosity 4500-6000 cps)

Resyn 5764:
- Low-viscosity homopolymer designed to provide excellent adhesion to wood (adjusted viscosity 2500-4500 cps). Lower viscosity for ease of handling.

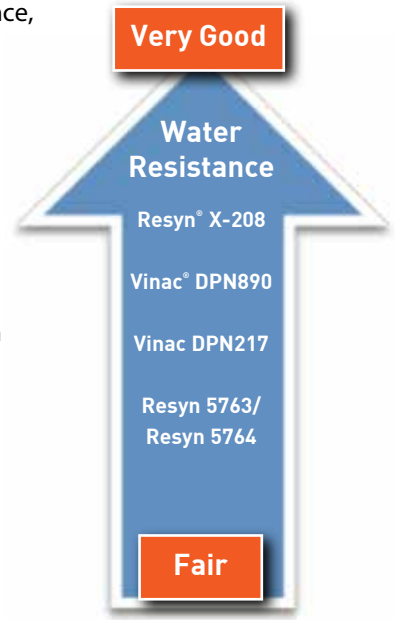
Celanese has supplied performance emulsions for quality adhesive products throughout the world. We offer a portfolio of emulsion products for woodworking applications designed to meet customers' varying needs. The portfolio features multiple products that meet ASTM Type II and European D3 specifications, along with excellent adhesion to a variety of porous and cellulosic substrates.

Resyn X-208 emulsion features excellent water resistance and is designed for use in interior and exterior wood bonding applications. When properly crosslinked, it will meet ASTM D5751 and Type II specifications. Vinac DPN217 features excellent pre-catalyzed viscosity stability and, when properly catalyzed, can meet ASTM Type II and European D3 standards.

Vinac DPN890 features very good water resistance, as well as outstanding pre-catalyzed viscosity stability, and meets ASTM Type II and European D3 specifications.

Resyn 5763 and 5764 (low-viscosity version) are general-purpose homopolymers designed to provide excellent adhesion to wood substrates in low-moisture applications.

The Celanese R&D and application testing lab in Frankfurt, Germany has full testing capabilities for U.S. Type II and European D3 standards for formulated adhesives. Here, we test both our prototype formulations and finished products from our customers.



Emulsions for Woodworking Adhesives

Product	Polymer Type	Protective Colloid	Solids	Viscosity (cps)	Tg (DSC °C)	Applications	Additional Features
Woodworking							
Resyn X-208	PVAc	PVOH	49.0	3500-7500	+30	Designed as a base polymer for interior and exterior wood bonding applications. When properly crosslinked, will meet ASTM D3110 and Type II specifications.	• Excellent water resistance • Excellent adhesion to hardwood • Crosslinkable • Low VAM
Vinac DPN217	PVAc	PVOH	51.5	8000-12000	+41	Wood bonding applications for end uses in door and frame construction, plywood constructions and veneering.	• Excellent adhesion to porous substrates • Outstanding pre-catalyzed viscosity stability
Vinac DPN890	PVAc	PVOH	49.5	4000-6000	+34	Wood bonding applications such as composite panel, panel-on-frame construction, edge/face gluing and laminating core stocks.	• Excellent water resistance • Very good pre-catalyzed viscosity stability • Meets U.S. Type II and European D3 water resistance standards
Resyn 5763	PVAc	PVOH	55.0	4500-6000	+30	General purpose wood adhesive for low moisture/water intrusion applications.	• Excellent adhesion to wood • Fair water resistance
Resyn 5764	PVAc	PVOH	55.0	2500-4500	+30	General purpose wood adhesive for low moisture/water intrusion applications. Lower viscosity for ease of handling.	• Excellent adhesion to wood • Fair water resistance • Lower viscosity version of Resyn 5763

EMULSION POLYMERS

Celanese.com/emulsion-polymers

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