

Kane Ace™ Acrylic Binders for Plastisols

PRODUCT DESCRIPTION

Kane Ace™ acrylic binders are used to produce halo-gen-free plastisols that feature a variety of advantages. These core-shell acrylic binders effectively control the plasticizer absorption, as well as the wetting and bonding of fillers and pigments. As a result, they optimize the final rheology, stability, and mechanical performance of the plastisol coating.

BENEFITS

- Flexibility in molecule design
- Low curing temperature
- Higher tensile elongation
- Lower density & light weight construction
- Easy foaming
- Thermal stability
- UV resistance



Example of Automotive Under Body Coating (UBC)

PORTFOLIO & APPLICATIONS

BINDERS FOR ACRYLIC UNDER BODY COATING (UBC)

Kane Ace™ UC506	Binder for acrylic under body coating (UBC) plastisols and sealing compounds.
Kane Ace™ UC508	Binder for acrylic under body coating (UBC) plastisols and sealing compounds with improved foaming behavior.
Kane Ace™ UC510	Binder for acrylic under body coating (UBC) plastisols and sealing compounds designed for low curing temperatures.

BINDERS FOR ACRYLIC ACOUSTIC DAMPERS

Kane Ace™ 4990F	Binder for acrylic acoustic dampers in automotive applications.
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BINDERS FOR SOFT AND FLEXIBLE COATINGS

Kane Ace™ 4899F	Binder for soft and flexible coatings for fabrics and paper substrates, silk - screen printing surfaces.
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BINDERS FOR HARD AND TOUGH COATINGS

Kane Ace™ 4994F	Binder for hard and tough coatings for metal, paper and fabrics, especially on E-coated plastisols.
Kane Ace™ M914	Binder for hard and tough coatings for metal, paper and fabrics, e.g. wall coverings.

BINDERS WITH BROAD PLASTICIZER COMPATIBILITY

Kane Ace™ BM310	Binder with broad plasticizer compatibility and low viscosity for e.g. coatings on paper and woven fabrics.
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DOCUMENT REFERENCE

Leaflet_KaneAce_Acrylic Binders | Version 1.0

TYPICAL PROPERTIES

	Glass Transition Temperature (T _g)	Viscosity Number*	Bulk Density	Particle Size (d-50)	Shore Hardness D
	[°C]	[cm ³ /g]	[g/l]	[µm]	[-]
Kane Ace™ UC506	76	270	410	50	84
Kane Ace™ UC508	76	270	420	45	84
Kane Ace™ UC510	76	265	336	35	83
Kane Ace™ 4990F	118	320	472	78	85
Kane Ace™ 4899F	95	330	350	35	86
Kane Ace™ 4944F	118	320	350	40	88
Kane Ace™ M914	124	145	380	40	88
Kane Ace™ BM310	125	1000	350	35	88
* Measure for Molecular Weight					

PACKAGING

All Kane Ace™ acrylic binders are supplied in 20-kg bags [480 kg per pallet]. Kane Ace™ UC506 is also available in 500-kg conductive semi-bulk [1000 kg per pallet].

ADDITIONAL INFORMATION

For additional information or specific recommendations for your intended application, please contact us.

PERFORMANCE POLYMERS SOLUTIONS VEHICLE

Technical Service Department

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Disclaimer

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SUPPLIER

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