

VOC-free 100% Polyols and Dispersions

for two-pack applications



ALBERDINGK BOLEY

	General Industrial Flooring	Sports Flooring	Balcony / Terrace / Roof Coatings	Crackbridging Coatings	Corrosion Protection / Metal Coatings	Adhesives	Pigment Pastes	Elastomers	Stoving	Plastics	Parquet	Furniture	Topcoats Albodur
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Castor Oil-based Polyols for Aromatic Systems

Albodur® 901		x	x	x		x		x					
Albodur® 904*		x	x	x		•		x					
Albodur® 912	x	•	•		x	x	•	•					
Albodur® 921	x				x	x	x	•					
Albodur® 942*	x				x	x		x					

Albodur Specialities

Albodur® 102*						x		x					
Albodur® 110		•				x		x					

Castor Oil-based Polyols for Aliphatic Systems

Albodur® 942*			x	•		•		x					
Albodur® 955	x	•			x	•	•	x					
Albodur® 956	x				x			x					
Albodur® 965		x		•		•		x					

Hydroxy-functional Acrylate Dispersions

AC 2592		•	•		x						x	x	
AC 2594	x		•					x	x	x	x	x	
AC 2713*	x							x			x		
AC 27401	x	•	•		x				•	x			x
AC 3699*								x				x	x

Polyurethane Dispersions

U 7500*		x								x	x	x	
U 9150		x							x	x	x	x	

	Solids [%]	Viscosity Höppler [mPas]	Viscosity Brookfield [mPas]	OH-Content [%] as supplied	pH-Value	Tensile Strength [N/mm ²]	Elongation at Break [%]	Shore D-Hardness	T _g [°C]
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Castor Oil-based Polyols for Aromatic Systems

Albodur® 901	100	600		5,62		10	105	41	- 5
Albodur® 904*	100	700		6,48		12	350	41	- 30
Albodur® 912	100	600		6,29		14	72	55	+ 50
Albodur® 921	100	600		6,62		14	53	65	+ 60
Albodur® 942*	100	500		9,64		46	15	80	+ 85

Albodur Specialities

Albodur® 102*	100	700							
Albodur® 110	100	300		1,88					

Castor Oil-based Polyols for Aliphatic Systems

Albodur® 942*	100	500		9,64		5	90	26	
Albodur® 955	100	1600		8,79		15	70	55	
Albodur® 956	100	2300		9,24		16	50	65	
Albodur® 965	100	1100		8,82		11	110	40	

Hydroxy-functional Acrylate Dispersions

AC 2592	34,0 - 36,0		20 - 200	0,76	7,5 - 8,5				
AC 2594	34,0 - 36,0		20 - 200	0,76	7,5 - 8,5				
AC 2713*	49,0 - 51,0		500 - 2000	0,79	8,0 - 9,0				
AC 27401	37,0 - 39,0		700 - 2000	1,80	7,5 - 8,5				
AC 3699*	39,0 - 41,0		50 - 500	1,76	7,0 - 8,0				

Polyurethane Dispersions

U 7500*	33,0 - 35,0		20 - 200		7,0 - 9,0				
U 9150	34,0 - 36,0		20 - 300		8,0 - 9,0				

* new development

Castor Oil-based Polyols for Aromatic Systems

Albodur® 901	For elastic floor coatings (e.g. sport flooring)
Albodur® 904*	For elastic coatings with high flexibility even at low temperature (e.g. crack-bridging membrane, refrigerated warehouse floorings, joints and industrial roofing)
Albodur® 912	For general industrial floorings, 2pack adhesives, primer for difficult substrates, easy to formulate
Albodur® 921	Outstanding pigment wetting properties, medium hard resin for general industrial floorings and car park decks wear coats, easy to formulate
Albodur® 942*	Epoxy alike surface hardness and chemical resistance, for general industrial floorings, versatile usage for aromatic and aliphatic curing systems

Albodur Specialities

Albodur® 102*	Di-functional hydrophobic for 1- and 2-pack adhesives, suitable for pre-polymers and elastomers
Albodur® 110	Monofunctional hydrophobic plasticizer replacement for coatings, adhesives and elastomers

Castor Oil-based Polyols for Aliphatic Systems

Albodur® 942*	Universal usage for MDI- and HDI-curing floor systems, combined with HDI: suitable for soft decorative floor coatings (e.g. balcony, terrace, sealers), very good rollability
Albodur® 955	Medium hard Polyol with high reactivity and functionality for decorative floor coatings as well as transparent and pigmented sealers
Albodur® 956	Hard Polyol with high reactivity and functionality for decorative floor coatings as well as transparent and pigmented sealers
Albodur® 965	For soft decorative comfort floor coatings (e.g. balcony, terrace and sealers), very compatible with various isocyanates

Hydroxy-functional Acrylate Dispersions

AC 2592	To be crosslinked with polyisocyanates, blocked isocyanates and melamine resins, crosslinked films are extremely flexible and chemical resistant
AC 2594	To be crosslinked with polyisocyanates, blocked isocyanates and melamine resins, crosslinked films are very hydrophobic and extremely chemical resistant
AC 2713*	Suitable for very high stain resistant coatings with very long pot life
AC 27401	Crosslinked (e.g. with a polyisocyanate) provides outstanding chemical resistances, designed for substrates like wood, plastic, metal and concrete
AC 3699*	Hard, multiphase OH-functional acrylic dispersion

Polyurethane Dispersions

U 7500*	For high quality 1K- and 2K- lacquers for flooring
U 9150	For two-pack flooring varnishes with very high hardness and superior abrasion resistance, high in-can-clarity

* new development

VOC-free 100% Polyols and Dispersions

6 Reasons for Albodur

- › very low viscosity and very hydrophobic nature leads to outstanding workability
- › absolutely solvent- and VOC-free
- › based on renewable resources
- › adjustable from soft-elastic to hard properties
- › full range of 100% solid polyols for vast application fields
- › special modified polyols with high reactivity to crosslink with HDI Isocyanates

Main applications of Albodur

- › industrial and decorative flooring
- › industrial sport floors
- › adhesives
- › corrosion protection
- › 3-pack waterborne concrete modified PU-systems

Main applications of Albodur specialities

- › 1- and 2 pack moisture trigger systems

Customer-specific requirements need individual solutions. Therefore please contact us in any case so that we can both offer advice and support before commencing any development work.

For further information please contact us under:

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Exemption clause:

The aforesaid information is based on our present state of knowledge and shall inform on our products and their application possibilities. It is not intended to assure certain characteristics of the products and their suitability for precise application fields. Please consider possible industrial property rights.



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