

Product Information ALBODUR® 921 VP

What is the resin's nature?

Solvent-free, hard, very hydrophobic, OH-functional polyol based on renewable resources (castor oil).

Technical data:

Solids content: 100% OH-content: 6.62%

Viscosity: 700 - 1,000 mPas

Shore A / D*: 98 / 65 Elongation at break*: 53%

Why has the resin been developed?

As a hard resin with very good workability for highly chemical resistant coatings, like industrial flooring and tank & pipe coatings.

What is the suggested field of application?

- · Industrial floorings
- · Tank & pipe coatings
- · Pigment pastes
- · Corrosion protection

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^{*}crosslinked with MDI-based polyiosocyanate



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Suitable raw materials

Defoamers:

Worlee Add 636 (Worlee Chemie) Perenol E 8 (BASF)

Byk A 530 (BYK Chemie) Byk A 501 (BYK Chemie)

Tego Foamex 944 (Evonik Tego Chemie)

Substrate wetting agents:

Perenol F 40 (BASF)

Dispersants:

Disperbyk 161 (BYK Chemie) Disperbyk 180 (BYK Chemie) Texaphor P 63 (BASF)

Extender:

Silica Flour W 6 (Quarzwerke) Baryt Flour EWO (Sachtleben)

Anti-settling agents:

Sylysia 350 (Silysiamont) Byk 410 (BYK Chemie) Albothix 85-32 (Alberdingk Boley)

Water scavenger:

Albolith MS C 350 (Alberdingk Boley)

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The details contained herein are based on our present state of technology and shall inform on our products and their application possibilities. A lawful binding assurance of certain attributes or a suitability for a concrete operation purpose cannot be derived from this information. Industrial property rights are to be considered if required.



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Formulation Proposal

FP 921-1 general industrial flooring

Pos.	Raw Materials	Amount	Supplier
1	ALBODUR® 921 VP	41.85	Alberdingk Boley
2	Perenol E 8	0.50	BASF
3	Texaphor P 63	1.00	BASF
4	ALBERDINGK® Albolith MS C 350	6.65	Alberdingk Boley
5	Silica flour W 6	45.00	Quarzwerke
6	Heubach G 7610	3.00	Heubach
7	Sylysia 350	2.00	Silysiamont
	Total	100.00	

Crosslinking

We recommend a crosslinking ratio of NCO:OH of 110% or 100.00 parts of the a.m. formulation require 25.44 parts of SUPRASEC® 2496 (Huntsman).

Mechanical Properties

Crosslinked with SUPRASEC® 2496:

	After 24h at RT	After 72h at 50°C
Shore A hardness	94	> 100
Shore D hardness	55	75
Elongation at break	55%	19%

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