

Product Information

ALBODUR[®] 901 VP

What is the resin's nature?

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

Technical data:

Solids content:	100%
Viscosity:	800 - 1,100 mPas
OH-content:	5.62%
Shore A / D*:	89 / 41
Elongation at break*:	105%

*crosslinked with MDI-based polyisocyanate

Why has the resin been developed?

As an elastic resin with very good workability for sports flooring, roof coatings and other exterior application (e.g. as adhesive below ceramic tiles).

What is the suggested field of application?

- Sports flooring
- Balcony / terrace (as adhesive below ceramic tiles)
- Pigment pastes

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Suitable raw materials

Defoamers:

Byk A 530 (BYK Chemie)

Byk A 501 (BYK Chemie)

Worlee Add 636 (Worlee Chemie)

Perenol E 8 (BASF)

Tego Foamex 944 (Evonik Tego Chemie)

Substrate wetting agents:

Perenol F 40 (BASF)

Extender:

Silica Flour W 6 (Quarzwерke)

Baryt Flour EWO (Sachtleben)

Dispersants:

Disperbyk 161 (BYK Chemie)

Disperbyk 180 (BYK Chemie)

Texaphor P 63 (BASF)

Anti-settling agents:

Albothix 85-32 (Alberdingk Boley)

Sylsya 350 (Silysiamont)

Byk 410 (BYK Chemie)

Water scavenger:

Albolith MS C 350 (Alberdingk Boley)

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Formulation Proposal

FP 901-1 sports flooring

Pos.	Raw Materials	Amount	Supplier
1	ALBODUR[®] 901 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	Quarzwерke
6	Heubach G 7610	3.00	Heubach
7	Sylsya 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 21.87 parts of SUPRASEC[®] 2496 (Huntsman).

Mechanical Properties

Crosslinked with SUPRASEC[®] 2496:

	After 24h at RT	After 72h at 50°C
Shore A hardness	86	94
Shore D hardness	38	50
Elongation at break	74%	41%