

NEUKAPOL PN 9501

Branched Polyester/-ether
Flexible Binder

altropol

Main features

- hydrophobic
- low-viscous
- 100 % solid content
- solvent-free

Applications

- sports floor coatings
- balcony/terrace coatings
- casting compounds

Product properties (approx. values)

			NEUKAPOL PN 9501
Colour			yellow
OH-value	mg KOH/g	DIN 53240	187 ± 15
Viscosity (25 °C - Brookfield RVT)	mPa·s	DIN EN ISO 2555	750 ± 250
Water content	%	DIN EN ISO 8534	< 0.2
Acid number	mg KOH/g	DIN EN ISO 2114	< 3

Properties of the mixture [94.50 p.b.w. NEUKAPOL PN 9501 + 5 p.b.w. Zeolith L Paste + 0.5 p.b.w. Defoamer NEUKAPOL PN 9079 + 47.51 p.b.w. Suprasec 2496 (Huntsman); (approx. values after 14 days of storage at room temperature)

Pot life	minutes	ASTM D 2471-88	60
Hardness	Shore D	DIN EN ISO 868	45
Tensile strength	MPa	DIN EN ISO 527	11
Elongation at break	Shore A	DIN EN ISO 527	120
Flexural strength	minutes	DIN EN ISO 178	*
Resistance to tear propagation	N/mm	ASTM D 624 B	*
Impact strength	KJ/m ²	DIN EN ISO 179	*
Glass transition temperature TG	°C	DIN 51005	*

* work in progress

Form of delivery

NEUKAPOL PN 9501 1 kg 25 kg 200 kg 1000 kg

Storage

We recommend keeping the material in tightly closed original receptacles at temperatures of 20 - 25 °C. When duly stored, the material can be used within the shelf life indicated on the labels (the first 2 digits of the batch number indicate the week, the 3rd digit indicates the year).

Measure of precaution

With the aid of the current safety data sheets, which contain physical, ecological, toxicological and other data relating to safety, the user can inform himself on the safe handling and storage of the products.

NEUKAPOL PN 9501

Branched Polyester/-ether
Flexible Binder

altropol

Suitable raw materials

Dispersants

Efka PU 4063 (BASF)
Disperbyk 2155 (BYK Chemie)

Disperbyk 2152 (BYK Chemie)
TegoDispers 652 (Tego Evonik)

Defoamer

Efka 2722 (BASF)
TegoAirex 944 (Tego Evonik)
BYK 066 (BYK Chemie)
BYK A 501 (BYK Chemie)

Efka SI 2008 (BASF)
Tego Airex 945 (Tego Evonik)
BYK A 530 (BYK Chemie)
Worlee Add 636 (Worlee Chemie)

Wetting and flow additives

Efka FL 3740 (BASF)
TegoGlide B 1484 (Tego Evonik)

BYK 333 (BYK Chemie)

Extenders

Baryt Flour EWO (Sachtleben)
Feldspat FS 900 L (Quarzwerke)
Blanc Roc Ultra Micro (Minerals Girona)
Silica Flour SF 500 (Quarzwerke)

Albawhite 60 (Sachtleben)
Silica Flour W 6 (Quarzwerke)
Silica Flour SF 4000 (Quarzwerke)

Anti-settling additives

Sylsya 350 (Sylsiamont)
Efka RM 1900 (BASF)
Tixogel MP 250 (BYK Chemie)

BYK D 410 (BYK Chemie)
Cab-O-Sil TS 720 (Cabot Corp.)
Tixogel VZ (BYK Chemie)

Water scavenger

Zeolith L-Paste (altropol)

Finmasorb PR 430 (Finma Chemie)

NEUKAPOL PN 9501

Branched Polyester/-ether
Flexible Binder

altropol

Formulation Proposal

SPF PN 9501 / 2

Sports Floor Coating

Pos.	Material	Amount	Product	Supplier
1	NEUKAPOL PN 9501	42.35	polyol	altropol
2	ZEOLITHE-L-PASTE	6.65	molecular sieve	altropol
3	EFKA PU 4063	1.00	dispersing agent	BASF
4	Sikron SF 500	21.91	extender	Quarzwerte
5	Baryt EWO	24.09	extender	Sachtleben
6	Heucosin Special G 6517 N	3.00	pigment	Heubach
7	Tixogel MP 250	0.50	anti-settling agent	BYK Chemie
8	Tego Airex 944	0.50	defoamer	Tego Evonik
Total		100.00		

Crosslinking

We recommend a x-linking ratio of NCO : OH of 110%, or 100.00 parts of the a.m. formulation require 22.25 parts of Suprasec 2496 (Huntsman).

Tinting

We recommend using the ALTROCOLOR PU 4500 series as pigment paste for easy tinting of the a.m. coating.

Mechanical Properties (approx. values)

				after 24h at RT	after 28 days at RT
Hardness		Shore A	DIN EN ISO 868	85	92
Hardness		Shore D	DIN EN ISO 868	36	47
Elongation at break		%	DIN EN ISO 527	78	50

Our technical service - in words, in writing or by trials - is given according to the current state of our knowledge. It does however not relieve the customer/ user from the duty to check by himself if the products supplied by us are suitable for the intended processes and purposes. Application, use and processing of the products take place beyond our control possibilities and lie therefore exclusively in the area of responsibility of the processor. Any existing property rights of third parties are to be considered. We guarantee the perfect quality of our products in accordance with our general terms and conditions of business. When handling our products you have to observe the legal rules and the rules for the industrial hygiene. As for the rest, we refer to the corresponding safety data sheets.

• 2017-10-18.5 / 4 / LW-W •

• www.altropol.de •

• Altropol Kunststoff GmbH • Rudolf-Diesel-Straße 9 - 13 • D-23617 Stockelsdorf • Tel. +49 451-499 60-0 •

• Fax. +49 451-499 60-20 • E - Mail: info@altropol.de •