

Adhesive solutions for filter manufacturing

For a clean working process & a healthy environment



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MITOL, a producer of wide range of adhesives and solutions provider offers adhesives which were developed together with customers technology requirements. Best characteristics of our adhesives are quick adaptation to production technology, optimum flow properties, excellent adhesion on various materials and long-term resistant final product.

Filter adhesives and moulding compounds are widely used for the manufacturing of **industrial filters** and **spatial filters** in order to remove impurities and make the air clean.



MITOPUR two component polyurethane moulding compounds and adhesives for:

- making filter end-cups
- gluing filter media into end-cups, frames, cassettes ...
- gluing O-rings

Characteristics of adhesives

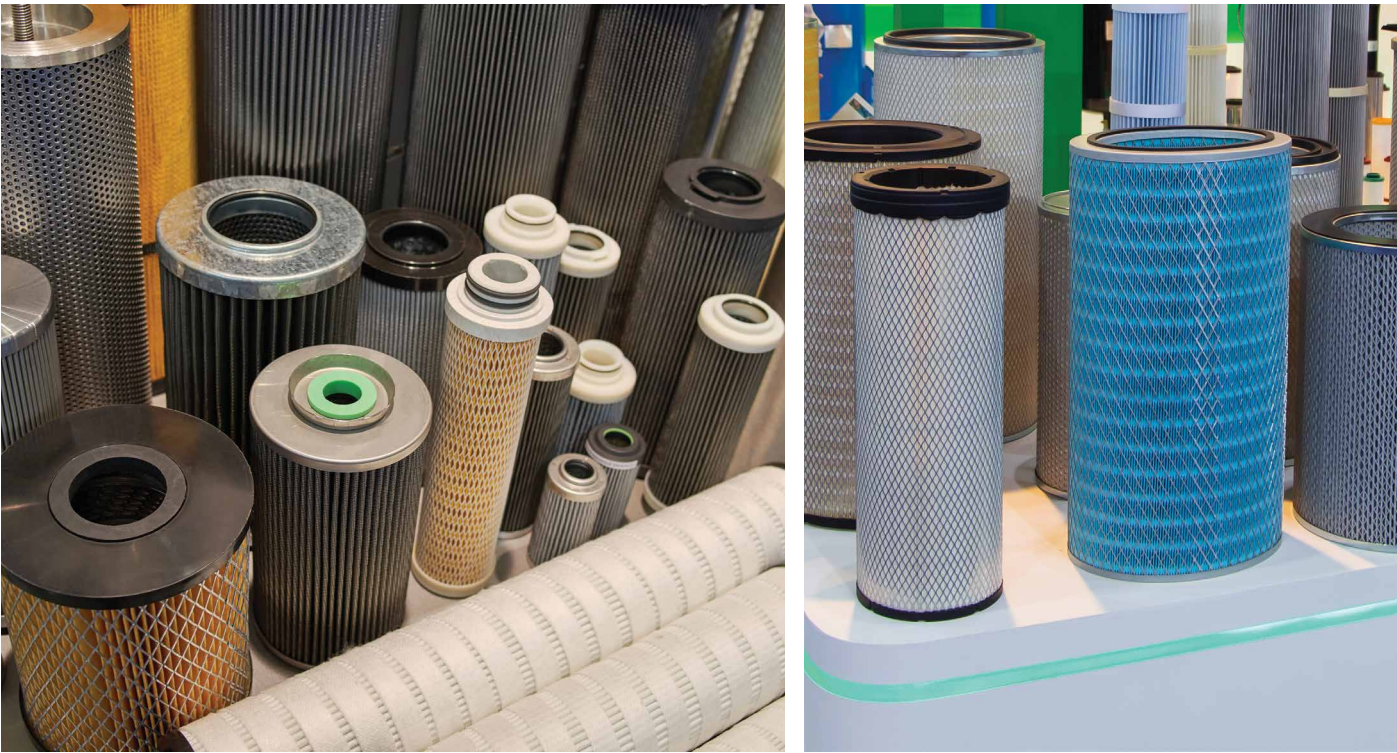
- Hard adhesives
- Excellent adherence on all types of metals, paper, non- woven and plastic materials
- Good flow characteristics
- Fast curing adhesives for high serial production
- Good gap filling properties

Characteristics of gluing joints

- Water resistance
- Good resistance to various media
- Temperature resistance from -40°C to +120°C
- Retains its elasticity also at low temperatures
- High final strength
- Long-term quality



Product	Colour	Mixing ratio by weight A : B	Viscosity at 23°C (mPas)	Pot life (min)	Special properties
MITOPUR B7 - hardener/ B Component					
MITOPUR A1/5	beige	81,5 : 18,5	5 000 – 8 000	5-7	hard adhesive, compliant with food regulations EU 10/2011
MITOPUR A1/15	beige	81,5 : 18,5	5 000 – 8 000	13-17	hard adhesive, good gap filling properties, compliant with food regulations EU 10/2011
MITOPUR A4/3	beige	80 : 20	2 500 - 4 500	3-6	hard adhesive, excellent resistance
MITOPUR A8/3	beige, grey	81,5 : 18,5	1 500 - 4 500	2-5	hard adhesive, optimum flow properties
MITOPUR A8/2	black	81,5 : 18,5	1 500 - 4 500	1-3	hard adhesive, high production capacity
MITOPUR R2	transparent	8 – 10 : 1	3 000 – 7 000	5 hours	contact adhesive, very high initial grip, high resistance





TERMOKOL hot melt adhesives for:

- Pleat bonding and fixation
- Protecting of stitches

Characteristics of adhesives:

- Good adhesion to different materials, also to difficult to bond surfaces
- Short setting times for high production capacities
- Distinguished by flexible & resistant joints

Product	Base	Viscosity (mPas)	Softening point (°C)	Application temperature (°C)	Special properties
TERMOKOL 2318	Amorphous polyolefin	at 200°C: 2 000 – 3 000	120 - 127	170 – 200	White, good adhesion to difficult to bond surfaces. High temperature, water and chemical resistance.
TERMOKOL ULTRA 2053	Amorphous polyolefin	at 200°C: ≈ 10 000	≈ 150	190 – 210	Natural - beige. good adhesion to difficult to bond surfaces. High heat resistance.
TERMOKOL 2327	EVA hot melt	at 150°C 2 000 – 2 600	108-115	150 - 180	Yellowish, short open time, fast setting adhesive, for high speed gluing, compliant with food regulations FDA 21 CFR 175.105
TERMOKOL 2321/1	EVA hot melt	at 150°C: 1 500 – 1 900	108-115	150 - 180	Yellowish, medium open time, compliant with food regulations FDA 21 CFR 175.105
TERMOKOL 2618	EVA hot melt	at 150°C: 1 200 – 1 600	72-80	150 - 180	Light yellowish, long open time, for medium speed gluing, compliant with food regulations FDA 21 CFR 175.105
TERMOKOL 2412	EVA hot melt	at 150°C: 1 500 – 2 500	75-90	150 - 160	Yellowish, lower application temperature, compliant with food regulations FDA 21 CFR 175.105
TERMOKOL PUR 2511	PUR hot melt	at 140°C: 15 000 – 25 000	50-52	100 - 160	Natural- beige. Excellent bond strength, very high heat & cold & water & chemical resistance. Low application temperature. Excellent initial strength. High production capacity.

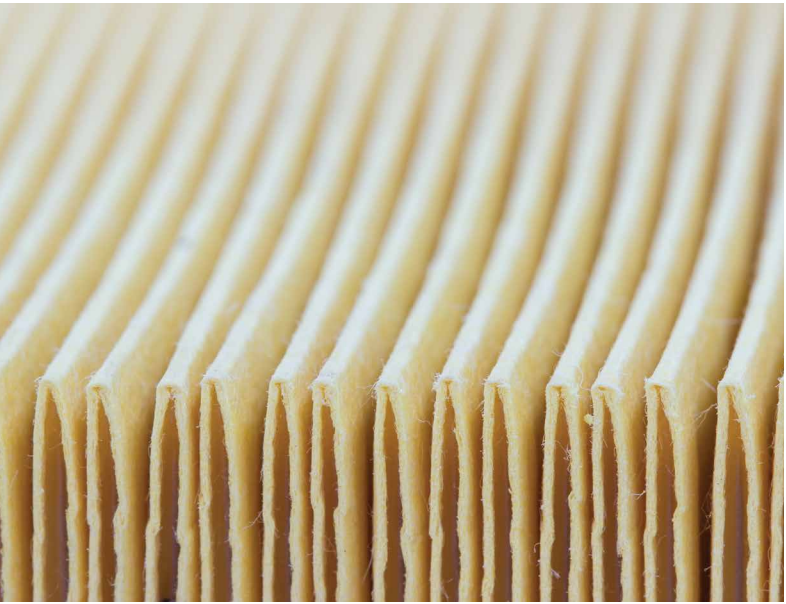
MEKOL dispersion adhesives for

- Gluing & joining of filter media

Characteristics of adhesives:

- Water based, solvent& odour free adhesives
- Easy processing&cleaning
- Cost saving

Product	Base	Viscosity (mPas)	Softening point (°C)	Application temperature (°C)	Special properties
MEKOL 1413/G	PVAc dispersion	at 23°C: 15 000 – 22 000	/	20	Good wet tack, long open time, for manual or machine application
MEKOL 1318/1	EVA dispersion	at 23°C: 8 500 – 13 000	/	20	Good adhesion to various porous filter media, for manual or machine application

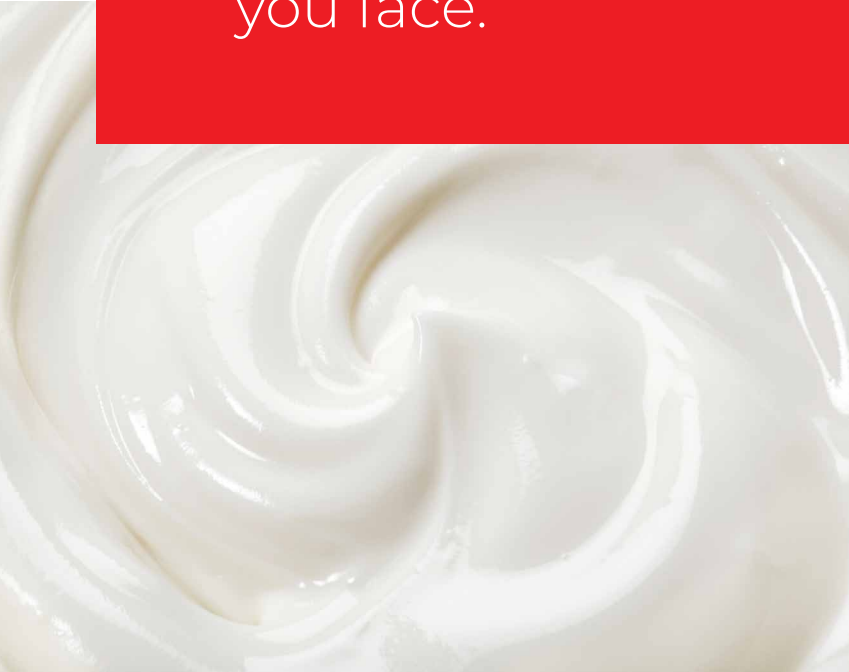


Supplementary products

Product	Base	Viscosity at 23°C (mPas)	Fields of application	Special properties
EPOKOL 903 ZMA+ZMB	2c epoxy	A-comp. : 4 000-9 000 B-comp. : 400-800	Making moulds for casting of filters end caps	A:B = 4:1. Pot life: 180 - 300 min Very hard adhesive, excellent resistance
CIANOKOL P80K	Cyanoacrylate	30-50	Bonding of sealing rings and gluing rings to end caps	Fast setting in 5 sec

These products represent a limited selection of our product range. Contact our specialist for more information or technical data sheet.

Adhesive solutions for
every manufacturing challenge
you face.



MITOL is the leading Slovenian producer of adhesives providing innovative and effective solutions in the field of gluing for more than 70 years. With reliable, technologically advanced products and superior customer service we have managed to build close relationship with our partners in more than 35 countries around the globe. Being aware of the sustainability challenges we devote special attention to the selection of materials and production processes that reduce environmental impact.



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