



Polymer Emulsions & Specialty Chemicals

PSA & Paper Solutions



Company Profile

Starting its journey in 1924 as a chemicals trader, today, with over 100 years of experience in the chemicals industry, we have been providing solutions to a variety of markets and applications utilizing different technologies. Our manufacturing and service locations enable us to serve our customers all around the world.

We have been employing the power of science and customer intimacy since our humble beginnings and we started our polymer emulsions production in 1965 with this notion. Besides our Istanbul polymer emulsions plant with 170,000 tpa production capacity, we invested in a new plant with an 80,000 tpa production capacity in Rotterdam in 2007. With our perpetual ambition to grow our business, we increased our production capacity over 30 times in the past 30 years to reach 250,000 tpa. Serving more than 2,000 customers in over 80 countries, Orgal® is the brand that customers know and trust when it comes to polymer emulsions.

Leveraging our expertise in liquid polymer emulsions, Organik Redispersible Powders, ORP®, was established in 2011 with a diverse range of products in powder form to address the needs of the construction chemicals industry. Our redispersible powder polymer plant with 45,000 metric tons of production capacity was built in Tuzla, Istanbul to fulfill this mission.

Our Tuzla plant investment also includes hot melt production with a capacity of 12,000 metric tons to serve the industrial adhesives market.

Organik Kimya's customers enjoy valuable solutions for a variety of applications in 6 different business units:

- Coating Solutions
- Construction Solutions
- Textile & Leather Performance Solutions
- Pressure Sensitive Adhesives & Paper Solutions
- Industrial Adhesives Solutions
- Distribution & Industrial Solutions

With its focus on customer collaboration and service, dedication to innovation and technology while caring for the environment, Organik Kimya relentlessly works to add value to its customers.

What we have accomplished so far is only a glimpse of what we will accomplish in the future.



Innovation promotes Sustainability

Contributing to the sustainability of our environment, our society and our economy is one of our most important responsibilities in today's rapidly changing world. We need to produce together, work hard for the future and realize the footprints we leave behind.

We believe that we can lead a better life together and aim to create a positive impact for all our stakeholders. Managing our environmental impacts, investing in projects that contribute to social sustainability, and developing future proof products and services continues to be high on our agenda.

Organik Kimya is taking the lead in achieving the UN's Sustainable Development Goals. We aim to become carbon neutral till 2050, continue our efforts in achieving environmental and social sustainability and investing in innovative solutions that contribute to circular economy. With all our efforts we contribute to SDGs 3,4,5,6,7,8,9,10,12,13 and 17.



For further information, please visit our sustainability report prepared in accordance with GRI Standards:
www.organikkimya.com/en/sustainability



PSA & Paper Solutions

Packaging
Tapes



Labels



Masking
Tapes



Surface
Protection
Films



Specialty
Tapes



Flooring
Adhesives



Specialty
Papers



Dispersions for High
Gloss Lamination and
Cold Seal / Heat Seal

LET US COAT IT FOR YOU!

We take pride and joy in partnering with our customers to create value added solutions. Our investment in a 10 meter versatile Pilot Coating Line is testimony to this. Our customers enjoy the complete advantage of expert technical service along with new product development in real application conditions. Thus, the performance of our products can always be tested directly on our customers' substrates utilizing the capabilities of our Pilot Coater.

Organik Kimya Pilot Coating Line

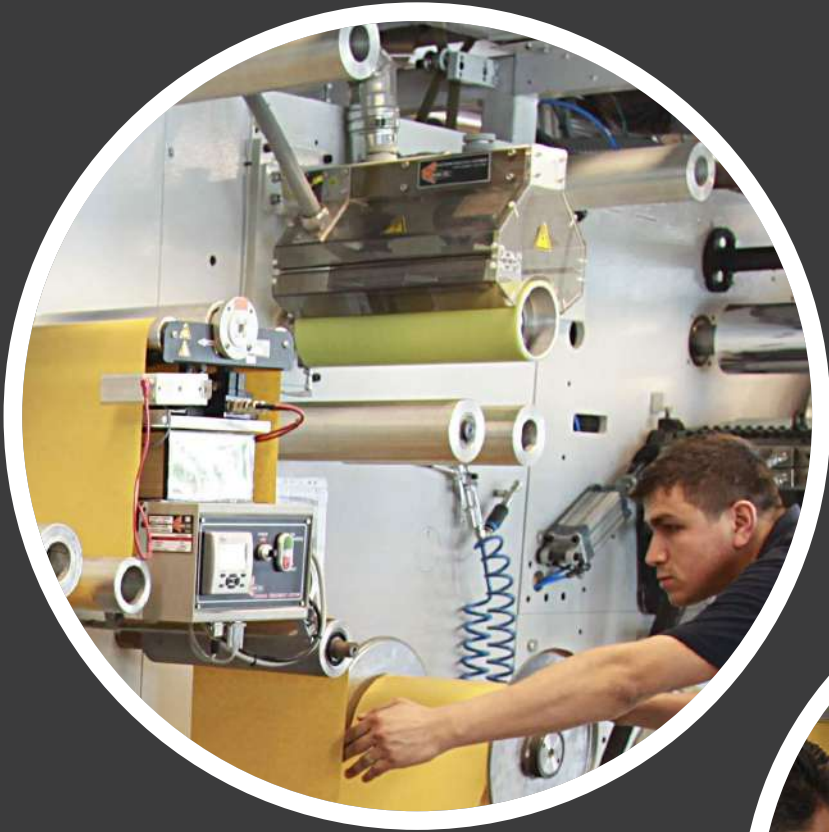
Technical Data	Parameters
Overall Length	10 mt
Oven Length	8 mt (high efficiency)
Coating Speed	Up to 100 mt/min
Coating Width	300 mm
Substrate Core Diameter	76 mm
Roll Diameter	Max 500 mm
Heating	Hot Air & Infrared (Adjustable Power)
Edge Guides	3
Tension Control Zones	5
Oven Temperature Control Zones	4
Drying Air Volume Control	0 – Max (Frequency Control)
Unwind/Rewind	Single Station
Rewind	Central & Minimum Gap

Coating Units

Water Based Adhesives	Hot Melt Adhesives
Meyer - Bar Coating	Slot Die Coating
Gravure Coating	
Reverse Gravure Coating	
Rotating Blade Coating	
Fixed Blade Coating	
Impregnation	

Our broad technical expertise in the PSA field combined with the versatile coating capabilities of the Pilot Coater enable:

- Evaluation of performance of polymers on different substrates
- Determination and definition of the critical production parameters (coating method, mechanical stability, anchorage etc.)
- Assessment of the critical performance properties (peel, tack, shear, accelerated aging etc.)
- Development of new products in collaboration with our customers





Labels

Polymers for permanent paper and film labels that fulfill a broad range of processing conditions and can be tailored to achieve the required performance.

	Chemical Composition	Solid Content (%±1)	pH	Viscosity (cps,max)	Tg (°C)		Special Features
Orgal® AX 1217	AC	66	6.5 - 7.5	600	-44	Orgal® AX 1217	Adhesive for GPP labels
Orgal® AX 1200	AC	67	6.5 - 7.5	1000	-42	Orgal® AX 1200	Polymer base for GPP labels with high tack and good adhesion on LSE surfaces
Orgal® AX 8066	AC	54	6.5 - 7.5	15-19(DIN Cup 4)	-42	Orgal® AX 8066	Coater ready adhesive for permanent labels, suitable for gravure coating configurations
Orgal® AX 1345	AC	55	7.5 - 8.5	500	-43	Orgal® AX 1345	Film label adhesive with good adhesion and moderate cohesion.
Orgal® AX 1450	AC	50	7.0 - 8.0	400	-37	Orgal® AX 1450	Film label adhesive with good blushing and plasticizer migration resistance
Orgal® AX 1210	AC	40	4.0 - 5.0	100	15	Orgal® AX 1210	Polymer base for wet labelling formulations
Orgal® RW 30400	AC	55	5.5 - 7.5	18-22(DIN Cup4)	-30	Orgal® RW 30400	Compostable adhesive for label applications complying with EN 13432

Packaging Tapes

Polymers tailored to provide the widest flexibility in processing conditions to obtain the desired delicate balance of peel, shear and tack.

	Chemical Composition	Solid Content (%±1)	pH	Viscosity (cps,max)	Tg (°C)		Special Features
Orgal® KY 600	AC	53	9.1 - 9.8	200	-43	Orgal® KY 600	Low viscosity, low noise adhesive for high speed processes
Orgal® KY 800	AC	55	9.1 - 9.8	400	-43	Orgal® KY 800	Adhesive for high adhesion even at low coat weights
Orgal® KY 9000	AC	57	9.2 - 9.7	200	-43	Orgal® KY 9000	Fast drying, low noise adhesive with high clarity and suitable for very high speed processes
Orgal® KY 9001	AC	56	9.2 - 9.7	350	-43	Orgal® KY 9001	No noise adhesive with very good film clarity, suitable for very high speed processes



Masking Tapes

The complete water based system for paper saturation, release coating and adhesive for a range of masking tapes made from specialty papers.

	Chemical Composition	Solid Content [%±1]	pH	Viscosity [cps,max]	MFFT [°C]	Tg [°C]	Special Features
Orgal® KV 50 D	VA/AC	50	3.5 - 4.7	400	<1	-12	Orgal® KV 50 D Paper saturation binder
Orgal® KR 250	AC	40	8.5 - 9.5	100	28	32	Orgal® KR 250 Base release coat for masking tapes
Orgal® KR 2510	AC	40	8.5 - 9.5	3000	28	32	Orgal® KR 2510 Ready-to-use release coat for masking tapes
Orgal® KY 403 A	AC	50	6.0 - 7.5	500	< 0	-43	Orgal® KY 403 A Medium peel adhesive with a high initial tack
Orgal® KY 408 A	AC	54	8.5 - 9.5	400	< 0	-43	Orgal® KY 408 A Adhesive for high performance masking tape applications
Orgal® KY 409 A	AC	48	6.0 - 7.0	600	< 0	-60	Orgal® KY 409 A Adhesive for general purpose masking tapes

Specialty Tapes

Adhesives for a wide range of specialty tapes that meet a broad range of performance requirements across various industries.

	Chemical Composition	Solid Content [%±1]	pH	Viscosity [cps,max]	Tg [°C]	Special Features
Orgal® AX 1200	AC	67	6.5 - 7.5	1000	-42	Orgal® AX 1200 Adhesive with an aggressive tack and high adhesion properties
Orgal® AX 1220	AC	65	5.5 - 7.0	8500	-41	Orgal® AX 1220 Adhesive for specialty tapes with well balanced adhesion and cohesion
Orgal® AX 1221	AC	65	4.5 - 5.5	600	-37	Orgal® AX 1221 Adhesive with high adhesion and high tack
Orgal® AX 1223	AC	65	6.5 - 7.5	800	-37	Orgal® AX 1223 Adhesive with high adhesion and moderate cohesion
Orgal® AX 1225	AC	60	7.0 - 8.0	1000	-45	Orgal® AX 1225 Adhesive with high initial tack and strong adhesion for building and construction tapes
Orgal® AX 8020	AC	63	6.5 - 7.5	3500	-42	Orgal® AX 8020 Formulated acrylic polymer for specialty tapes
Orgal® AC 12305	AC	55	7.0 - 8.5	3500	-36	Orgal® AC 12305 Coater ready tackified adhesive for specialty tapes
Orgal® MA 1110	AC	66	6.5 - 7.5	600	-44	Orgal® MA 1110 Acrylic polymer for medical tapes with skin contact certificate



Surface Protection Films

Adhesives that meet the requirements of the end performance applications across a broad range of substrates where protective film or removable tape is used.

	Chemical Composition	Solid Content (%±1)	pH	Viscosity (cps,max)	Tg (°C)		Special Features
Orgal® KY 453	AC	53	6.5 - 7.5	200	-45	Orgal® KY 453	High tack and high temperature resistance
Orgal® K 450 PV	AC	50	4.5 - 5.5	300	-50	Orgal® K 450 PV	Medium adhesion, high cohesion and excellent UV resistance
Orgal® K 430 PV	AC	50	3.0 - 4.5	200	-10	Orgal® K 430 PV	Easy peel performance
Orgal® K 452 PV	AC	50	4.5 - 5.5	300	-50	Orgal® K 452 PV	Easy removability on painted metal surfaces
Orgal® K 517 PV	AC	60	6.5 - 7.5	500	-43	Orgal® K 517 PV	High initial tack, easy removability, controlled peel build on smooth surfaces
Orgafix IC	DI	N/A	N/A	3600	N/A	Orgafix IC	Aliphatic polyisocyanate based on hexamethylene diisocyanate (HDI)

Dispersions for High Gloss Lamination and Cold Seal

Lamination adhesive dispersions that meet the right balance of gloss, machinability, and embossing resistance while complying with regulatory requirements.
Furthermore, a family of polymers that meet required balance of peel, shear, and tack properties.

	Chemical Composition	Solid Content (%±1)	pH	Viscosity (cps,max)	MFFT (°C)	Tg (°C)		Special Features
Orgal® KY 1144	AC	55	6.0 - 7.5	900	<0	-21	Orgal® KY 1144	High gloss film print lamination adhesive with good embossing resistance
Orgaseal® A 80	S/AC	50	7.5 - 9.0	11000	20	20	Orgaseal® A 80	Polymer base for cold seal adhesive formulations
Orgaseal® A 82	S/AC	50	7.5 - 9.0	2000	11	11	Orgaseal® A 82	Polymer base for cold seal adhesive formulations
Orgaseal® A 91	AC	50	6.0 - 7.0	800	<0	-12	Orgaseal® A 91	Polymer base for cold seal adhesive formulations
Orgaseal® A 95	S/AC	50	7.5 - 9.0	13000	0	-3	Orgaseal® A 95	Polymer base for cold seal adhesive formulations
Orgaseal® A 97	S/AC	50	7.5 - 9.0	2500	20	20	Orgaseal® A 97	Polymer base for cold seal adhesive formulations



Flooring Adhesives

Acrylic emulsions that meet the performance demands of the flexible flooring substrates.

	Chemical Composition	Solid Content (%±1)	pH	Viscosity (cps,max)	Tg (°C)	Special Features	
Orgal® K 688 A	AC	56	4.0 - 6.0	500	-22	Orgal® K 688 A	Acrylic emulsion with strong adhesion and good plasticizer resistance
Orgal® K 1810	AC	60	4.5 - 5.5	1400	-37	Orgal® K 1810	Acrylic emulsion with high cohesive strength, plasticizer resistance and good filler acceptance
Orgal® K 1835	AC	65	5.5 - 6.5	2000	-41	Orgal® K 1835	Acrylic emulsion with high solids, adhesion and tack performance

Specialty Paper

Solutions tailored to meet the harshest chemical resistance and chemical compatibility requirements while providing best-in-class price – quality performance.

	Chemical Composition	Solid Content (%±1)	pH	Viscosity (cps,max)	MFFT (°C)	Tg (°C)	Special Features	
Orgal® KS 34	AC	45	2.5 - 4.5	500	<0	-3	Orgal® KS 34	Pure acrylic elastic binder for impregnation of decor paper
Orgal® KS 36	S/AC	49	5.5 - 6.5	600	20	25	Orgal® KS 36	Styrene acrylic copolymer, medium-hard paper binder
Orgal® KS 49	S/AC	40	3.5 - 5.0	500	29	35	Orgal® KS 49	Styrene acrylic binder with water resistance and high thermomechanical resistance
Orgal® KS 78	AC	46	8.0 - 9.0	500	14	21	Orgal® KS 78	Pure acrylic binder for filter paper applications with excellent hydrophobicity and flexibility
Orgal® KS 440 FF	S/AC	50	7.5 - 8.5	200	17	17	Orgal® KS 440 FF	Styrene acrylic copolymer for wall coverings with high tensile strength and good hydrophobicity
Orgal® KP 91	AC	47	7.0 - 9.0	100	>100	85	Orgal® KP 91	Co-binder for specialty paper coatings to improve blocking and abrasion resistance
Orgal® Orgawhite 2016	S/AC	30	8.0 - 8.7	500	N/A	N/A	Orgal® Orgawhite 2016	Organic opacifier for paper coatings

Thickeners

Acrylic thickeners designed to be easily formulated to provide the required rheology for a range of products across a range of applications.

	Chemical Composition	Solid Content (%±1)	pH	Viscosity (cps,max)	Tg (°C)	Special Features	
Orgal® M 340	ASE	30	2.1 - 4.1	10	N/A	Orgal® M 340	Alkali-soluble emulsion (ASE) type thickener with pseudoplastic profile
Orgal® M 420	ASE	28	2.1 - 4.1	10	N/A	Orgal® M 420	Alkali-soluble emulsion (ASE) type thickener with pseudoplastic profile
Orgal® HT 465	HASE	30	2.1 - 4.1	35	N/A	Orgal® HT 465	Hydrophobically modified alkali swellable (HASE) type anionic thickener with pseudoplastic profile

Notes

[illegible]

Legend



Kemberburgaz (HQ) Plant

ORGANİK KİMYA SAN. ve TIC. A.Ş.

Cendere Yolu No: 146

34075 Kemberburgaz - Eyüp

Istanbul TURKEY

P +90 (212) 331 00 00

F +90 (212) 331 00 01

Tuzla Plant

ORGACHEM KİMYA SAN. ve TIC. A.Ş.

Istanbul Industry and Trade Free Zone

Atatürk Bulvarı 6. Sokak No: 117/3 34957

Aydınlı - Tuzla / Istanbul TURKEY

P +90 (216) 394 25 29

F +90 (216) 394 21 21

Rotterdam Plant

ORGANİK KİMYA NETHERLANDS B.V.

Chemieweg 7, 3197 KC

Rotterdam-Botlek

NETHERLANDS

P +31 (10) 295 48 20

F +31 (10) 295 48 29

www.organikkimya.com