



Hotmelt & Waterborne Adhesives

Furniture & Woodworking Solutions



Company Profile

Starting our 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.

Our Tuzla plant investment includes hotmelt 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

Industrial Adhesives Solutions provides solutions for Furniture & Woodworking, Packaging & Converting, Nonwoven & Hygiene, Bookbinding & Graphic Arts, Tobacco, Tapes & Labels markets in Hotmelt and Waterborne technologies.



Hotmelt Adhesives



Edge Banding Adhesives



	Color	Viscosity (mPa.s)*	Application Temperature (°C)	Softening Point (°C)	Description
Decomelt 3630	Opaque Off White	40.000	190 - 220	100	Decomelt 3630 Medium open time, no staining on edge bands.
Decomelt 3663	Opaque Off White	40.000	190 - 220	107	Decomelt 3663 Good adhesion as a result of good flow and wetting properties.
Decomelt 4038	Opaque Off White	45.000	190 - 220	110	Decomelt 4038 High heat resistance for high speed machines.
Decomelt 4050	Opaque Off White	31.000	180 - 200	114	Decomelt 4050 Semi-transparent grade with good adhesion.
Decomelt 3910	Opaque Yellowish	7.200**	170 - 190	97	Decomelt 3910 Curved edge banding product with short open time.
Decomelt 3920	Opaque Yellowish	67.000***	130 - 140	86	Decomelt 3920 Curved edge banding product with long open time.
Decomelt 6001	Transparent	63.000	180 - 200	95	Decomelt 6001 Transparent grade with high adhesion.

*@220°C (Brookfield RVT sp.29) **@200°C (Brookfield RVT sp.27) ***@140°C (Brookfield RVT sp.27)

Hotmelt Adhesives



Door Production Adhesives



	Color	Viscosity (mPa.s)*	Application Temperature (°C)	Softening Point (°C)	Description
Decomelt 4141	Opaque Yellowish	8.000	170 - 190	96	Decomelt 4141 Good heat resistance, low viscosity and long open time.
Decomelt 4110	Opaque Yellowish	7.500	170 - 190	97	Decomelt 4110 Recommended for gluing wood on wood such as L shaped lath applications.
Decopol 4235	Yellowish	11.000	180 - 200	125	Decopol 4235 Used for wrap PP or veneer paper sheets over MDF profiles and door frames with profile wrapping machines.

Decomelt 4141 / 4110 and Decopol 4235 adhesives are packed in 20 kg kraft bags.

*@200°C (Brookfield RVT sp.27)

Waterborne Adhesives

Adhesives



	Viscosity (mPa.s)	Solid (%)	pH	Application
Orgalok MA 10	12.500 - 17.500	58	6.5 - 7.5	Orgalok MA 10 Recommended for warm and hot pressing of HPL to chipboard, plywood and hardboard.
Orgalok MA 22	25.000 - 35.000	50	6.0 - 7.5	Orgalok MA 22 Used for broad range of applications; excellent film strength and very strong cohesion.
Orgalok MA 24	6.000 - 7.000	45	4.0 - 5.0	Orgalok MA 24 Used for lamination of HPL and finger joint applications.
Orgalok MA 25	9.000 - 18.000	40	4.0 - 5.0	Orgalok MA 25 General purpose woodworking adhesive for wood joints.
Orgalok MA 48	13.000 - 23.000	48	4.0 - 5.0	Orgalok MA 48 Used for lamination of HPL and finger joint applications.
Orgalok MA 20A	17.000 - 23.000	50	4.0 - 5.0	Orgalok MA 20A Used for lamination of HPL and finger joint applications.

Waterborne Adhesives



D3 Adhesives

	Viscosity (mPa.s)	Solid (%)	pH	Description
Orgalok MA 38	16.000 - 22.000	50	2.5 - 3.5	Orgalok MA 38 D3 adhesive for lamination of HPL to wood based substrates and wood to wood when a good water resistance is required Premium D3 adhesive with 12 months shelf life and WATT 91 certificate.
Orgalok MA 35LV	8.000 - 12.000	50	2.5 - 3.5	Orgalok MA 35LV D3 adhesive with low viscosity, fast setting properties.

Membrane Press

	Viscosity (mPa.s)	pH	Description
Orgalok MP 554	1.120 - 1.440	5.0 - 6.0	Orgalok MP 554 Membrane press lamination adhesive of PVC and ABS to fiberboard (MDF). Can be used as two-component with catalyst to increase heat resistance.
Orgalok MP 556	950 - 1.250	5.0 - 6.0	Orgalok MP 556 One component membrane press lamination adhesive of PVC and ABS to fiberboard (MDF)
Orgalok MP 559	1.050 - 2.550	5.0 - 6.0	Orgalok MP 559 One component membrane press lamination adhesive of PVC and ABS to fiberboard (MDF)

Side Products



Features

Orgalok PU

Density (ASTM D1875): 1.13 ± 0.03 gr/ml
Temperature Resistance: -20°C to +70°C

Orgalok MP 44

Appearance: Clear Liquid
Solid (%): >98
Viscosity @ 25°C: 700 – 1500 mPa.s
NCO content, % (on delivery form): 20.3 – 22.9
HDI content*, % < 0.5

Application

Orgalok PU

ORGALOK PU Flexi Nail is a single component, fast curing polyurethane based adhesive. ORGALOK PU Flexi Nail is suitable for use in construction and repair applications where a permanent strong bond is required between porous-porous and porous-nonporous surfaces. It can be used for bonding to various kinds of construction materials such as wood, MDF, concrete, metal, polystyrene and polyurethane foam, PVC, marble, granite, polycarbonate, glass and ceramic etc. ORGALOK PU Flexi Nail has excellent resistance to moisture and weather conditions and conforms to D4 according to DIN EN 204.

Orgalok MP 44

Used as a crosslinker of waterborne hydroxyl functional polymers, especially polyurethanes dispersions (PUDs), polyacrylics or urethane-acrylics to prepare two-pack waterborne high performance polyurethane coatings on various substrates, like wood (parquet flooring, kitchen & office furniture), metal and plastics. It can be used to prepare "solvent-free hardener" in order to produce ultra low VOC coatings.

Production Locations



Kemerburgaz Plant



Tuzla Plant



Rotterdam Plant



Balerna Plant



Kemerburgaz (HQ) Tesisi

ORGANİK KİMYA SAN. ve TİC. A.Ş.

Cendere Yolu No: 146

34075 Kemerburgaz - Eyüp

İstanbul TÜRKİYE

P +90 (212) 331 00 00

F +90 (212) 331 00 01

Tuzla Tesisi

ORGACHEM KİMYA SAN. ve TİC. A.Ş.

Istanbul Industry and Trade Free Zone

Atatürk Bulvarı 6. Sokak No: 117/3 34957

Aydınlı - Tuzla / İstanbul TÜRKİYE

P +90 (216) 394 25 29

F +90 (216) 394 21 21

Rotterdam Tesisi

ORGANİK KİMYA NETHERLANDS B.V.

Chemieweg 7, 3197 KC

Rotterdam-Botlek NETHERLANDS

P +31 (10) 295 48 20

F +31 (10) 295 48 29

Balerna Tesisi

ATR CHEMICALS SA

Via Delle Fornaci, 4TI-6828

Balerna SWITZERLAND

P +41 (91) 682 17 74

F +41 (91) 682 01 20