



triKimya

San. ve Tic. Ltd. Şti.



PRODUCT CATALOGUE
2023

We Are Reshaping The Chemistry

www.trikimya.com.tr

ABOUT US _ _

Tri Kimya operates in the field of industrial adhesives with 30 years of experience and a commitment to delivering high quality in the industries in which serving. Tri Kimya is an adhesive company, where the principles of its establishment, prioritize not only its customers but also its suppliers, employees, all of humanity and the environment in which it exist as a parttaker.

From its inception, Tri Kimya has been manufacturing adhesives tailored for the furniture and wood sectors. Tri Kimya's initial operations encompassed straight edge banding, curved edge banding, profile wrapping, and 3D membrane lamination. As time has progressed, the company has consistently grown, continuously developing and offering the most appropriate and efficient products for use in industries spanning furniture, textiles, packaging, labels, automotive, and more. This expansion is underpinned by a commitment to delivering high-quality products to global markets. It highlights the significance of adhesive, as a critical intermediate material for end-users in these sectors, by providing differentiation through high-quality service, products, and value chain to its business partners.

In markets where intense competition prevails, Tri Kimya stands out not only with its products but also with its vision and values. Besides providing a diverse product range to cater to various industry needs, it offers comprehensive, solution-focused services that include post-sales technical support including sharing application expertise and training.

Tri Kimya in the field of industrial adhesives; It addresses the relevant market needs with 30 different products in 9 different categories.

- EVA-based Hotmelts
- PO-based Hotmelts
- PSA-based Adhesives
- PU Dispersions
- PVA/ Water based Adhesives
- Solvent based Adhesives
- ECA-based Adhesives (Ethyl-Cyanoacrylate)
- PU-based Adhesives





Vision:

To provide sustainable, high-quality, integrated products and services to wood, packaging, white goods, automotive and many other sectors, with a reputable, stable and consistent business style, always prioritizing innovation and up-to-dateness. We do all this in a happy, safe and healthy working environment for our employees and business partners, and comply with all global and local regulations.



Mission:

We will continue to be a quality, stable and solution-oriented company that responds to the bonding and joining solutions of many sectors with our products and formulas that are adaptable and developable according to customer needs. With our innovations, hard work and responsible approaches, we will always improve our adhesive products and increase our effectiveness in export markets globally day by day.



Our Values :

- * Trustworthy
- * Honesty
- * Quality
- * Excellence
- * Customer Focus

PRODUCT CATEGORIES

- EVA-based Hotmelt Adhesives
 - Straight Edge Banding Glues
 - Curved Edge Banding Glues
 - Profile Wrapping Glues
 - Hotmelt Sticks
- PO-based Hotmelt Adhesives
 - High strength edge banding Adhesives
 - Paper and Packaging Adhesives
- PSA-based Adhesives
 - Paper and Packaging Adhesives
 - Carton Sealing Adhesives
 - Assembly applications
- PU Dispersiyonlar
 - Membrane Press Vacuum Adhesives 1K / 2K
- PVAc./Water Based Glues
 - Homopolymer Transparent Glues
 - Carpenter Glues
- Solvent based Adhesives
 - Contact Adhesives
 - Postforming Adhesives
 - Upholstery Adhesives
 - Chemical Anchor
- ECA-based Adhesives
 - Ethyl-2 Cyanoacrylates
- PU-based Adhesives
 - 1K PUR Adhesives
 - Green Adhesive 1K
 - 2K liquid Polyurethanes
 - Montage Kits

HOTMELTS

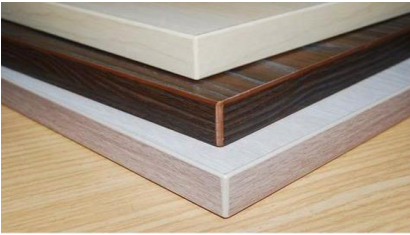
EVA BASED HOTMELTS

Tri-Melt Hotmelt Adhesives, containing EVA and synthetic resin, in solid granule form, with low/medium viscosity and high heat resistance adhesives. This adhesive, produced in high bonding quality, ensures successful and excellent results in straight and curved edge banding operations and softforming applications.

It is used for bonding Veneer, PVC, ABS, melamine, solid, laminate and polyester based edge bands to chipboard and MDF panel edges with automatic edge-banding machines and manual applications.



STRAIGHT EDGE BANDING



CURVED EDGE BANDING



PROFILE WRAPPING



WARNINGS:

- * Please store in a dry and clean place and keep away from direct sunlight and high temperature.
- * Bags, left on top of each other, can cause blockage inside of the bags.
- * Shelf life is 2 years from the date of manufacture at room temperature (18-20°C).
- *Please choose our different products for acrylic edge bands.



Adhesives for Straight Edgebanding :

	Viscosity	Basis	Color	Softening	Viscosity	Application Temperature		Feed
	Level			Point		@200°C	Pot Temp.	
TM 1100	Medium	EVA	Crystal Transparent	95°C± 3	65.000± 10.000	180-190 °C	190-200 °C	
TM 1101	Medium	EVA	Yellow Transparent	95°C± 3	65.000± 10.000	180-190 °C	190-200 °C	
TM 1120	High	EVA	Natural /milky white	104°C± 3	100.000± 10.000	170-190 °C	200-220 °C	18 -30m/min.
TM 1130	Medium	EVA	White	107°C ± 3	65.000± 15.000	180-190 °C	190-200 °C	
TM 1135	Medium	EVA	Natural	90°C ± 3	65.000± 15.000	180-190 °C	190-200 °C	
TM 1140	Low	EVA	Natural	90°C ± 3	9.500± 2.500	140-160 °C	140-1600 °C	
TM 1155	Medium	EVA	Natural /milky white	102°C ± 3	65.000± 10.000	170-190 °C	200-220 °C	8 - 12m/min.
TM 1160	Medium	EVA	Natural /milky white	98°C ± 3	60.00 ± 10.000	170-190 °C	200-220 °C	8 - 12m/min.
TM 1170	Medium	EVA	Natural / White	95°C ± 3	35.000± 5.000	160-190 °C	160-190 °C	15m/min.

Adhesives for Curved Edgebanding

	Viscosity	Basis	Color	Softening	Viscosity	Application Temperature		Feed
	Level			Point		Pot	Roller	
TM 1110	Low, Medium	EVA	Natural	88°C± 3	19.000± 3.000 (@180 °C) 12.500 ±3.000 (@200 °C)	130-150 °C	130-150 °C	8 -12 m/min.
TM 1150	Low, Medium	EVA	Natural /milky white	85°C± 3	70.000± 10.000 (@140 °C) 15.000 ±3.000 (@200 °C)	120-140 °C	120-140 °C	8 -12 m/min.
TM 1153	Low, Medium	EVA	Natural	85°C± 3	70.000± 10.000 (@140 °C) 15.000 ±3.000(@200 °C)	130-150 °C	130-150 °C	12-18 m/min.

Adhesives for Profile Wrapping

	Viscosity Level	Basis	Color	Softening Point	Viscosity	Application Temperature		Feed Speed
						Pot	Roller	
TM 1300	Low	EVA	Yellow Transparent	76°C± 4	4.500 ±1.500 (@200 °C)	170-190 °C	170-190 °C	12 m/min.
TM 1350	Low, Medium	EVA	Natural	85°C± 5	10.500± 3.000 (@200 °C)	180-200 °C	180-200 °C	12 m/min.
TM 1353	Low, Medium	EVA	Natural	85°C± 5	13.000± 2.500 (@200 °C)	180-200 °C	180-200 °C	12 m/min.

* For more Technical Info, please see SDS and TDS. / Packaging 20 and 25kgs in Buckets and Bags

Adhesives for Pocket Innerspring

	Viscosity Level	Basis	Color	Softening Point	Viscosity	Application Temperature	
						Pot/Rollert	Features
TM 1800	Low	EVA	Pastille Natural	100°C± 3	2.500 ± 750 (170°C)	150-170 °C	Short Open Time
TM 1810	Low, Medium	EVA	Granules, White-transp.	90°C± 5	16.000± 3.500 (170 °C)	160-180 °C	Long open time
TM 1850	Low	EVA	Natural	102°C± 3	2.750± 500 (170 °C)	150-170 °C	Short Open Time

- * Short open time (1800 / 1850) or Longer Open Time (1810)
- * Thermal stability
- * Excellent penetration and wetting
- * High final bonding strength
- * Good cold flexibility
- * Excellent processing properties
- * Please see TDS and MSDS for more technical info.



PO BASED HOTMELTS

Tri-Melt Polyolefin Hotmelt Adhesives possess excellent bonding capabilities and heat resistance, making them to achieve successful and outstanding results in a variety of applications.

These adhesives, characterized by their high-quality bonding properties are suitable for use in both semi-automatic and fully automatic machines.



They are used for bonding kraft, lacquered paper, corrugated cardboard, cardboard and cardboard boxes with automatic and manual applications. Bead and spray application are possible with this hotmelt adhesives. The type of adhesive is suitable for assembly bonds as well as for surface applications.

Adhesives for Packaging

	Viscosity Level	Basis	Color	Softening Point	Viscosity	Application Temperature	
						Pot/Roller	Features
TM 5500	Low	PO	Pastille Naturel/White	105°C± 3	2.200± 300 (160 °C)	150-170 °C	Short/Med. Open time
TM 5510	Low	PO	Pastille Naturel/White	105°C± 3	1.500± 500 (170 °C)	150-170 °C	Short/Med. Open time

- * Short / Medium open time (5510 / 5500)
- * Very high adhesion
- * Thermal stability
- * Short setting time
- * Excellent penetration and wetting
- * Excellent processing properties
- * Please see TDS and MSDS for more technical info.

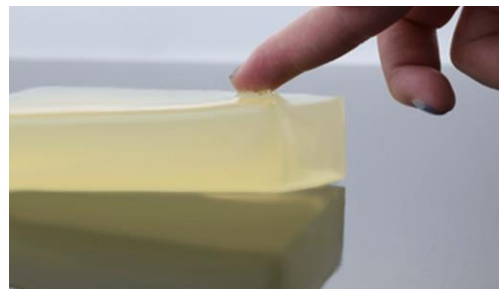


PSA HOTMELTS (Pressure Sensitive Adhesives)

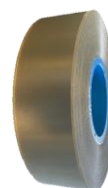
Tri-Fix PSA hotmelts consists of a blend of synthetic rubber, acrylic, or silicone polymers, combined with tackifiers and stabilizers to create a pressure-sensitive adhesive.

They are used in a wide array of applications and can be used to bond numerous materials such as plastic, paper, carton, fabric, leather, metal, glass, wood, etc. They are widely ideal for usage in the industries of assembly, labeling, food packaging, bookbinding, furniture, case and carton sealing, packaging, envelopes, and shoe manufacturing.

HMPAS are commonly used to manufacture pressure sensitive tapes and labels. Pressure sensitive adhesives are ideal for using in assembly. PSA application doesn't require elaborate equipment and can be easily automated.



Features: It is Rubber Based PSA (Pressure Sensitive Adhesive) Hotmelt. provides excellent gap filling and surface adhesion conditions for the related materials. It is used for the purpose of bonding felt-sponge bonding, sponges of different densities to each other in the manufacture of mattresses in the furniture sector.



	Viscosity Level	Basis	Color	Softening Point	Viscosity	Application Temperature	
						Pot/Roller	Features
TM 8700	Low	Rubber	Yellowish Pillow	97 °C ± 3	1.800 ± 300 (160 °C)	130-160 °C	Short/Med. Open time
TM 8710	Low	Rubber	Transp. Clear Pillow	97 °C ± 3	1.800± 500 (160 °C)	130-160 °C	Short/Med. Open time

* For more Technical Info, please see MSDS and TDS.

WARNINGS:

- * Environment temperature must be around 15 °C during the application process.
- * Be sure that the surfaces are clean and dry
- * Air humidity should be 65-75% and product humidity should be 8-10%

PU DISPERSIONS

MEMBRANE PRESS GLUES

Tri-Fix 1K Membrane Press Glue, which is a water-based and PU Dispersion glue for 3D surface applications, is used in automatic balloon and vacuum membrane press machines, for bonding PVC, PP, PET, ABS foils onto MDF, etc. materials. It is applied with a spray gun. It is applied as a single component and can be used by adding the second component when higher heat resistance and water resistance are desired.

Features: It contains Polyurethane particles dispersed in water and provides excellent gap filling and surface adhesion conditions. It does not create an orange appearance on the surfaces after bonding. It has high heat and moisture resistance. It can be applied with 1.6 – 2,2mm nozzle guns and does not clog or freeze.



Molecular Structure Quality



Easy Spraying-Adjustable Viscosity



No Orange Appearance



Membrane Press Glue for 3D Lamination:

	TF 301	TF 301/2K	TF 302	TF 302/2K	TF 303	TF 303/2K
Feature	Low Viscosity	Low Viscosity	Medium Viscosity	Medium Viscosity	High Viscosity	High Viscosity
Basis	PU Dispersion	PU Dispersion	PU Dispersion	PU Dispersion	PU Dispersion	PU Dispersion
Color	White	White	White	White	White	White
Viscosity	1260±@23°C	1260±@23°C	1580±@23°C	1580±@23°C	1760±@23°C	1760± @23°C
pH	5-7	5-7	5-7	5-7	5-7	5-7
Activation Temp.	Over 55°C	Over 55°C	Over 60°C	Over 60°C	Over 65°C	Over 65°C
Packaging	20kg Jerry Can	20kg +0,8kg Jerry Can	20kg Jerry Can	20kg +0,8kg Jerry Can	20kg Jerry Can	20kg +0,8kg Jerry Can

* For more Technical Info, please see SDS and TDS.

WARNINGS:

The glue should not be thinned by adding water or solvent and should not be exposed to a temperature above 80°C.

The glue should not be stored under the sun, in high temperature and extremely cold environments.

SOLVENT BASED ADHESIVES

CONTACT GLUES

Tri-Fix Solvent Based Adhesives are fast curing, liquid, single-component and rubber based adhesives. They cure by solvent evaporation into a tough flexible rubber inside.

Solvent based Neoprene (Polychloroprene contact adhesive) adhesives are used widely fields and applications such as footwear, wood, rubber, ABS, iron, plastic laminates, fabric, leather, artificial leather, glass and painted metal. The application is made on both sides of material.

Features: It contains neoprene and different rubber particles dispersed in solvent and provides excellent gap filling and surface adhesion conditions for the related materials.



	TF 440	TF 445	TF 550
Application	Contact	Postforming	Upholstery
Basis	Solvent Based	Solvent Based	Solvent Based
Color	Trans./Red / Yellow	Trans./Red / Yellow	Trans./Red / Yellow
Viscosity	2.300±300 (25°C)	1.200±200 (25°C)	400±40 (25°C)
Drying Time (18-25°C)	10-15 mins.	10-15 mins.	1-4 mins.
Application	Roller, Spray, Brush	Roller, Spray, Brush	Roller, Spray, Brush
Packaging	15kg, 3 kg Jerry Can	15kg, 3 kg Jerry Can	15kg Jerry Can

* For more Technical Info, please see MSDS and TDS.

WARNINGS:

- * In the case of PVC, PVC films, PE, and PP, it should not be used.
- * Be sure that the surfaces are clean and dry
- * Smooth surfaces should be sanded before use.
- * To make the adhesion test please wait for 24 hours.



PVAc. / WATER BASED TRANSPARENT WHITE GLUES

Tri-Fix PVAc. Glues, a water-based glues, are used for furniture, wood coating, paper and packaging industries. They are used by carpenters and sector professionals in woodworking industry for hot and cold presses under automatic machines or manual applications mainly.

Features: It is homopolymer type of PVAc. and provides excellent gap filling and surface adhesion conditions. D3/D4 types have high heat and moisture resistance with their second components and they are suitable for outdoor wooden materials.



Transparent Wood Glues



Carpenters' best choice



Perfect Bonded Joints



PVAc. Homopolymer White Glues:

	TF 6500	TF 6501	TF 6502	TF 6503
	Premium D4	Super Transparent	Expert Wood Glue	Wood Glue
Basis	PVA Homopolymer	Homopolymer	Homopolymer	Homopolymer
Feature	Becomes D4 when it mixed With hardener.	D3 / D2 - hot and cold press.	Carpenter Glue for Experts	Carpenter Glue
Color	Transparent	Transparent	White	White
Viscosity	14.000±1.000	14.000±1.000	18.000±5.000	17.000±5.000
Solids %	54±1%	50±4%	45±5%	41±5%
pH	5-6	4-6	5-6	5-6
Density	1,03g /mL	1,01-1,07g /mL	1,2g /mL	1,2g /mL
Norm	D4/ D3	D3	D2	D2
Packaging	25kg / 10kg /IBC Bucket /IBC /Barrel	25kg / 10kg /IBC Bucket /IBC /Barrel	25kg / 10kg /IBC Bucket /IBC /Barrel	25kg / 10kg /IBC Bucket /IBC /Barrel

* For more Technical Info, please see SDS and TDS.

WARNINGS:

Don't dilute the glue by adding water or solvent, and keep it away from temperatures over 50°C. If it's exposed to high heat, gently stir it to ensure thorough mixing. The glue should not be stored under the sun, in high temperature and extremely cold environments.

CYANOACRYLATE ADHESIVES

ETHYL CYANOACRYLATES

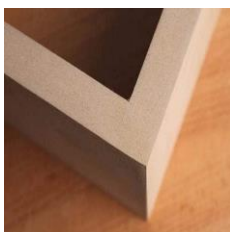
Tri-Fix CA Adhesives, ethyl-2-cyanoacetate based, are used for many industries which requires fast bonding applications.



Industrial Packaging



MDF Profiles excellent matches



Your lifesaver



	TF 1500	TF 505	TF 508
Feature	High Viscosity	Low Viscosity	Low/Medium Viscosity
Basis	Ethyl-2 Cyanoacetate	Ethyl-2 Cyanoacetate	Ethyl-2 Cyanoacetate
Color	Transparent	Transparent	Transparent
Viscosity	1300-1700 cps	2-5cps	80-120cps
Packaging	25kg / 200kg / 1000kg Jerry /Barrel/IBC	25kg / 200kg / 1000kg Jerry /Barrel/IBC	25kg / 200kg / 1000kg Jerry /Barrel/IBC

* For more Technical Info, please see SDS and TDS.

WARNINGS:

* The glue should not be thinned by adding solvent and should not be exposed to high temperatures.

* The glue should not be stored under the sun and in high temperature environments.

Important Note: For optimal storage, please ensure that this product is stored under cold conditions."

PU BASED ADHESIVES

1K PUR ADHESIVES

Tri-Fix 1K PUR Adhesives are Polyurethane and Isocyanate based adhesives with high water resistance and bonding strength for many applications. 1K PUR (One-Component Polyurethane) adhesives find extensive use across a range of industries due to their strong adhesive characteristics and adaptable qualities. Key sectors that heavily rely on 1K PUR adhesives encompass marine, caravan, construction, white goods, automotive, and general manufacturing and assembly industries. Furthermore, these adhesives are well-regarded for their effectiveness in bonding not only wood to wood but also wood to a variety of other surfaces.



Features: 1K PUR (One-Component Polyurethane) adhesives are highly versatile and prized in various industries for their exceptional qualities: Single-Component, Strong Adhesion, Versatile, Moisture-Cured, Weather and Temperature Resistant, Gap-Filling, Long-lasting withstands mechanical stress and vibrations. Withstands water exposure (complies with D4-DIN EN204). Suitable for use on slightly humid surfaces.

Various Application Methods: Can be applied manually, with pneumatic guns, or automated dispensing systems. These features make 1K PUR adhesives a reliable choice for diverse bonding and sealing needs across industries, with formulations tailored to specific requirements.



	TP 101	TP 101F	TP 102	TF 303
Basis	PU Prepolymer	PU Prepolymer	PU Prepolymer	PU Prepolymer
Color	Honey/L.Brown	Honey/L.Brown	Transparent	Green
Viscosity	5.000± 1.500 (20°C)	5.000± 1.500 (20°C)	3.000± 1.000 (20°C)	7.000± 1.000 (20°C)
Pressing Time	Min. 2 Hours	Min. 15mins	Min. 15mins	Pls ask us for more info
Tack-Free Time	25-50min.	5-15min.	5-15min.	5-15min.
Consumption	150ml&m ² -Apprx	150ml&m ² -Apprx	150ml&m ² -Apprx	150ml&m ² -Apprx
Application Temp.	+5°C to +40°C	+5°C to +40°C	+5°C to +40°C	-40°C to +80°C (100 °C very short Exposure)
Packaging	150g upto 1000g / Barrel	150g upto 1000g / Barrel	150g upto 1000g / Barrel	20kg Jerry Can, Barrel, IBC

* For more Technical Info, please see SDS and TDS.

WARNINGS:

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