

SUSTAINABLE SOLUTIONS

DRIVING COMFORT WITH KIMflex® INTEGRAL SYSTEMS

kim FLEX®
FLEXIBLE FOAM SYSTEMS


kimpur
KIMTEKS POLYURETHANE

Integral Systems

KIMflex® INTEGRAL SYSTEMS

The social and economic activities in rapid growing cities have been increased due to the increasing population of the world, thus causing the transportation demands to be risen constantly.

In recent years, in order to adapt the transportation to the principles of sustainable development, the performance, safety and driving comfort of vehicles as well as their environmental impacts, social responsibility requirements and contributions to the economic development have been taken in consideration.

Polyurethane systems aim to reduce energy usage and therefore emission, by ensuring weight loss in vehicles with their lightness feature. The PU also enhances material durability and corrosion resistance thanks to its high--performance coating. In addition, it has been preferred by the automotive industry due to its many advantages such as lightness, durability, thermal and electrical insulation, design, and ease of production.

The versatile use of polyurethane also reduces the production costs, causing the automotive industry to be competitive in the global market. Thus, it contributes to economic development.

Accordingly, **Kimpur** has developed **KIMflex®** Integral Systems to support sustainability in transportation to ensure comfort and safe driving.



APPLICATION AREAS

- Steering wheel
- Mat
- Armrest
- Bicycle seat
- Wire harness
- Dashboard
- Mudguard
- Bumper

ADVANTAGES

- ◆ Flexibility
- ◆ Fast curing
- ◆ Smooth skin
- ◆ Suitable skin thickness
- ◆ Regular cell structure
- ◆ Short demolding times
- ◆ Different hardness alternatives
- ◆ Different demolding times alternatives
- ◆ Wide (molded) density range

KIMflex® INTEGRAL SYSTEMS

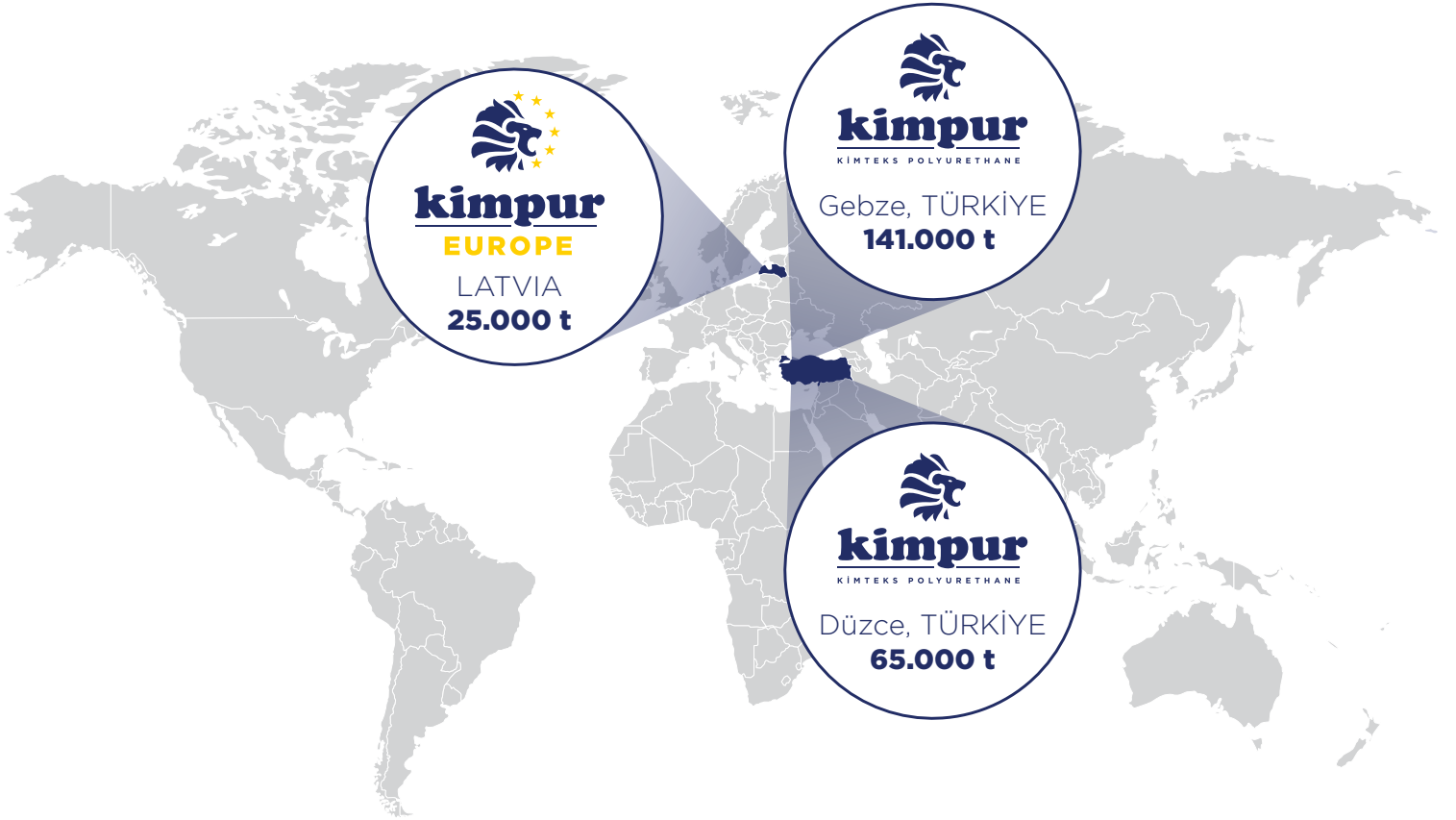
KIMflex Integral Systems	Application Areas	System Features	Mixing Ratio (Polymix+Iso)	Free Rise Density (kg/m³)	Density (kg/m³)	Hardness (sh A)	Molding Time (Sec)	Certificate
KIMflex FI 005 + Izokim FI 002	Armrest	Water and Solvent-Based, Black Colored	100/50	125±10	230	48	240	-
KIMflex FI 019 + Izokim FI 002	Armrest	Water and Solvent-Based, Black Colored	100/52	190±10	350	60	240	ECE R 118.04 Flammability of materials used in the interiors of motor vehicles (Annex 6)
KIMflex FI 022-B + Izokim FC 010	Armrest	Water and Solvent-Based, Black Colored	100/43	115±5	330	40	300	-
KIMflex FI 022-N + Izokim FC 010	Armrest	Water and Solvent-Based, Natural Colored	100/43	115±5	330	40	300	-
KIMflex FI 032 + Izokim FI 002	Steering Wheel	Water-Based, Natural	100/48±2	210±10	360	60	180	-
KIMflex FI 033 + Izokim FC 010	Armrest	Water and Solvent-Based, Dark Black	100/43	160±10	330	40	300	-
KIMflex FI 034-B + Izokim FC 010	Steering Wheel	Water and Solvent-Based, Black Colored	100/41 ± 2	160±10	350	75	300	-
KIMflex FI 034-B + Izokim FC 010	Mat, Console, Bumper, Seat and Mudguard	Water and Solvent Based, Dark Black	100/41 ± 2	160±10	350	75	300 (For small molds) 900 (For big molds)	-
KIMflex FI 035 + Izokim FI 002	Wire Harness	Water-based, Natural, Low Electrical Conductivity and Nonwater Permeability Based	100/37	640±40	750	76	180	-
KIMflex FI 036 + Izokim FC 015	Armsrest, Bumper, Shock Absorber	Gas Based, Soft, Black Colored	100 / 44	165±10	225	30	300	-
KIMflex FI 038 + Izokim CE 002	Mudguard, Steering Wheel, Armrest	Gas-Based, Black Colored	100 / 56	200±10	350	72	It varies according to the mold size.	-
KIMflex FI 037 + Izokim FC 015	Production of Gaskets for the Electromechanical, Automotive and Lighting Industries	Water-Based, Black Colored, Thixotropic	100 / 23	-	470	20-30	-	-
KIMflex FI 076 + Izokim FC 032	Small Automotive Parts	Water and solvent based, black color High tear resistance and shock absorption	100 / 44	125 ± 5	-	30	240	-

For more information on our products as well as TDS and MSDS documents please contact our Sales Office.

TÜRKİYE'S LARGEST POLYURETHANE SYSTEM HOUSE

Kimpur is the polyurethane system house with the largest capacity in the region, with a production capacity exceeding 200,000 tons. It leads the sector by exporting to more than 50 countries on 5 continents. Polyurethane systems produced; It is used in different sectors such as shoes, automotive, furniture, heating and cooling, insulation-construction and defense industry.

GLOBAL ACTIVITIES



United Nations
Global Compact



Responsible Care®
OUR COMMITMENT TO SUSTAINABILITY

Kimpur Corporate Promotional Film
Click to watch





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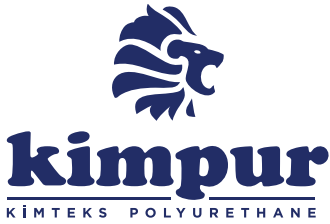
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LEGAL INFORMATION

At Kimpur, we strive to provide you with the highest quality polyurethane systems, backed by our expertise and dedication to innovation. The information provided in this brochure is a reflection of our expertise and knowledge. However, we highly recommend for users to conduct their own thorough assessments and tests to ensure the suitability and optimal performance of our products for their intended applications. While we strive to provide accurate and reliable information, Kimpur does not assume any liability or offer any warranty, whether expressed or implied, regarding the properties, performance, or fitness for a particular purpose of our products. Descriptions, specifications, and other details provided herein are subject to change without prior notice and should not be considered as binding contractual guarantees. As the recipient of our products, our customers assume full responsibility for compliance with all applicable laws, regulations, and intellectual property rights. We highly recommend obtaining comprehensive information on product toxicity, adhering to proper handling procedures, and ensuring compliance with safety and environmental standards. At Kimpur, we value our partnership with you and strive to provide exceptional support. However, it is important to emphasize that the application, use, and processing of our products are ultimately the sole responsibility of the user. Please note that the safety data provided in this brochure is for informational purposes only and does not constitute a legally binding Material Safety Data Sheet (MSDS). To obtain the relevant MSDS, kindly request it from your supplier or contact us directly at uncommonsolutions@kimpur.com. Our team is ready to assist you with any inquiries or specific safety information you may need.