

**KiMRIGID**<sup>®</sup>

Rigid Foam Systems



# Sustainable Solutions for Sandwich Panels



**KIMPUR**

Bio Based, Discontinuous Sandwich Panel System

## Bio Based, Discontinuous **KiMRigid** Sandwich Panel System

The rapid increase in population and thus consumption has resulted in new alternatives in production to emerge in recent years. Companies serve the society with their products and develop various methods to ensure sustainability by reducing the environmental impacts in product life cycles. The companies have increased the number of researches for the use of renewable resources in production in many sectors. One of which is the polyurethane industry.

**Kimpur** is aware of the fact that the resources in nature are exhaustible and thus synthesized a high functionality bio-based polyol and used it in the production of discontinuous **KiMRigid** Sandwich Panel System. In this way, it has contributed to nature and the circular economy with sustainable resources, reduced its carbon footprint from its production and succeeded in producing sustainable solutions for the product life cycle of its customers. **30%** of bio-based polyol system are edible materials and these systems do not compromise the technical and mechanical properties compared to standard systems.

### USAGE AREAS

- Cold room sandwich panels
- Cold room doors
- Refrigerated containers



## ADVANTAGES

- Thanks to its renewable material content, it reduces carbon dioxide emissions from production.
- It has high functionality and contains only primary hydroxyls.
- It has high dimensional stability and demonstrates high resistance against harsh weather conditions.
- It ensures significant reductions in the amount of catalysts used in standard petrochemical formulations.

KIMrigid RD	COMPONENTS		KIMrigid RD 100 Izokim RD 001
REACTION PROFILE	UNIT	VALUE	METHOD
Mixing Ratio (polymix / iso)	By weight	100/120±2	KİMPUR Internal Method
Stirring Time	sec	7	KİMPUR Internal Method
Cream Time	sec	22±2	KİMPUR Internal Method
Gel Time	sec	150±4	KİMPUR Internal Method
Rise Time	sec	235±10	KİMPUR Internal Method
Free Rise Density	kg/m <sup>3</sup>	32±1	KİMPUR Internal Method
Moulded Density	kg/m <sup>3</sup>	42±2	ASTM D 1622

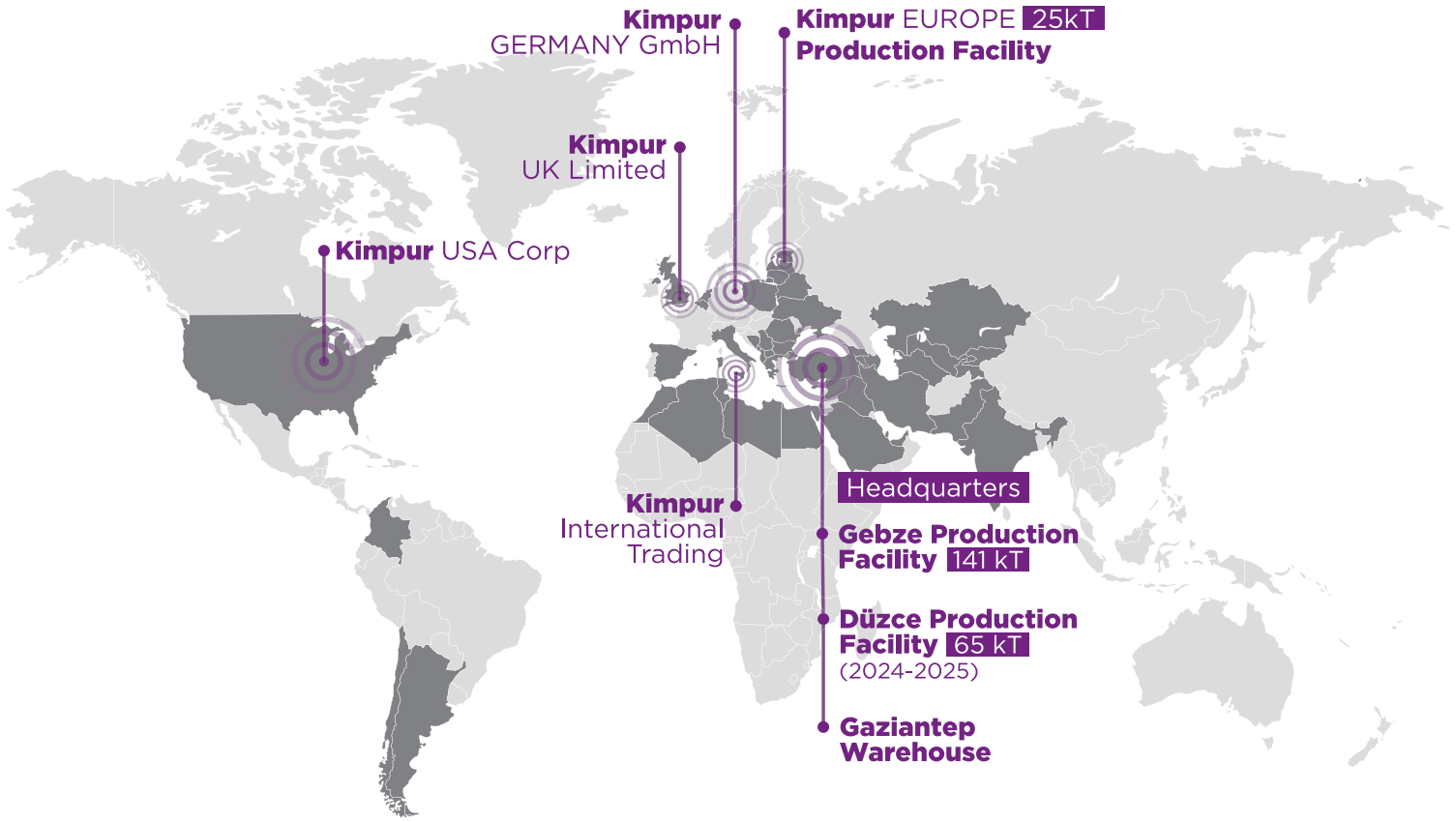
You can contact our sales office for more detailed information about our system, TDS and MSDS documents.



# 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



Kimpur Corporate Promotional Film  
[Click to watch](#)





## KİMTEKS POLİÜRETAN SANAYİ VE TİCARET A.Ş.

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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](mailto:uncommonsolutions@kimpur.com). Our team is ready to assist you with any inquiries or specific safety information you may need.

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