

KiMRIGID[®]

Rigid Foam Systems



**MORE PEACEFUL AND
COMFORTABLE ENVIRONMENT**



KIMPUR

Polyurethane Spray Foam Systems

KIMspray POLYURETHANE FOAM SYSTEMS

Energy saving is one of the most challenging parameters in today's world. The importance of using new energy sources and energy-friendly materials increases each day. Besides, various precautions are taken and strategies are developed to protect the environment and climate.

Kimpur, provides solutions for a better life quality and effective insulation in interior and exterior places through numerous innovative products. The spray polyurethane foams which are called as SPF briefly are the insulating materials which are sprayed on the surface via spray application method by using high pressure special machinery equipment and transforms into foam form.

Since SPFs reduces the environmental impacts of the buildings by providing high level of energy saving and has become one of the fastest-developed construction insulating materials. It can be used in each point from foundation to the roof at the buildings in addition to the usages for insulation purposes in the following areas.

Usage Areas:

- ◆ Industrial roof insulation
- ◆ Trapeze sheet and reverse ceiling insulation
- ◆ Sea vehicles insulation
- ◆ Animal shelter insulation
- ◆ Cold storage insulation
- ◆ Pipe line insulation
- ◆ Tank - silo insulation
- ◆ Roof insulation
- ◆ Terrace insulation
- ◆ Concrete sheet insulation of building foundation
- ◆ Interlayer insulation
- ◆ External facade insulation

One of the main reasons to prefer SPF frequently is that it provides heat insulation to the wide areas in a short time period through spray application. Additionally, it enables the intended surfaces to be insulated and eliminates the heat bridges, which is its distinctive characteristics compared to the other insulation materials.

One of the reasons why it is the first preference for heat insulation in buildings is that SPF is suitable for all roof designs. It can be applied in various thicknesses on the elevation and drainage areas on roofs. It can be easily applied in rough areas such as veined surfaces, entrances, HVAC curves, parapet walls, vents, and skylight, and it also helps prevent water leakage problems.

Kimpur has developed **KIMspray** systems which is a two-component contained insulating material for commercial, residential and industrial applications with the aim of providing a perfect insulation for a peaceful and comfortable environment. **KIMspray** provides perfect insulation for the areas which are difficult to reach such as spaces and corners; and it also provides comfort and efficiency for the residents.

















ADVANTAGES:


- It provides energy-saving with new generation blowing agents.
- SPF eliminates the heat bridges and provides perfect heat insulation.
- Allow cost efficiency by quick installation
- It can be swiftly and easily applied by curing very fast
- It can be adhered on numerous surfaces perfectly.
- Especially open cell foam provides good sound insulation.





KIMspray systems are classified into two groups as closed and open cell in terms of their structure. Besides, it presents systems in different densities which will suit to the usage area.

Primary KIMspray Systems


| KIMspray | Foam Structure | Application Level (kg/m ³) | Certificate |
|---|----------------|--|------------------------|
|  KIMspray RS 035 | Open Cell | 14 - 16 | - |
|    KIMspray RS 036 | Open Cell | 10 - 12 | REACH |
|  KIMspray RS 041 | Open Cell | 10 - 12 | - |
|  KIMspray RS 042 | Open Cell | 15 - 20 | - |
|  KIMspray RS 29-30 | Closed Cell | 30- 35 | - |
|   KIMspray RS 034 | Closed Cell | 30- 35 | REACH |
| KIMspray RS 033 | Closed Cell | 35 - 40 | REACH |
|  KIMspray RS 030-40 | Closed Cell | 40- 45 | TS EN 13501-1:2019 (E) |
|  KIMspray RS 038 | Closed Cell | 30 - 35 | TS EN 13501-1:2019 (E) |
| KIMspray RS 039 | Closed Cell | 25 - 30 | REACH |
| KIMspray RS 040 | Closed Cell | 60- 65 | - |
| KIMspray RS 049 | Closed Cell | 30 - 34 | - |
|  KIMspray RS 050H | Closed Cell | 30 - 34 | - |
|   KIMspray RS US 058H | Closed Cell | 30 - 34 | - |


 TS EN 14315: 1-3 / CE Certificate

 Water-Based System

 In compliance with TS EN ISO 11925-2 Standard

 System Containing Eco-Friendly Blowing Agents

 Class E Fire Rating

 It can be applied higher thickness (2-3 inch) for each layer.

It provides excellent acoustic insulation by filling hard-to-reach areas such as spaces and corners.

Physical and Technical Specifications

| Closed Cell | | Standard |
|----------------------|---------------------------|-------------|
| Applied Density | 30 - 60 kg/m ³ | EN 1602 |
| Closed Cell Content | > 90 | DIN EN 4590 |
| Water Absorption | < 2 | EN 12087 |
| Thermal Conductivity | 22 - 28 mW/mK | ASTM C 518 |
| Compressive Strength | 100 - 400 kPa | ASTM D 1621 |

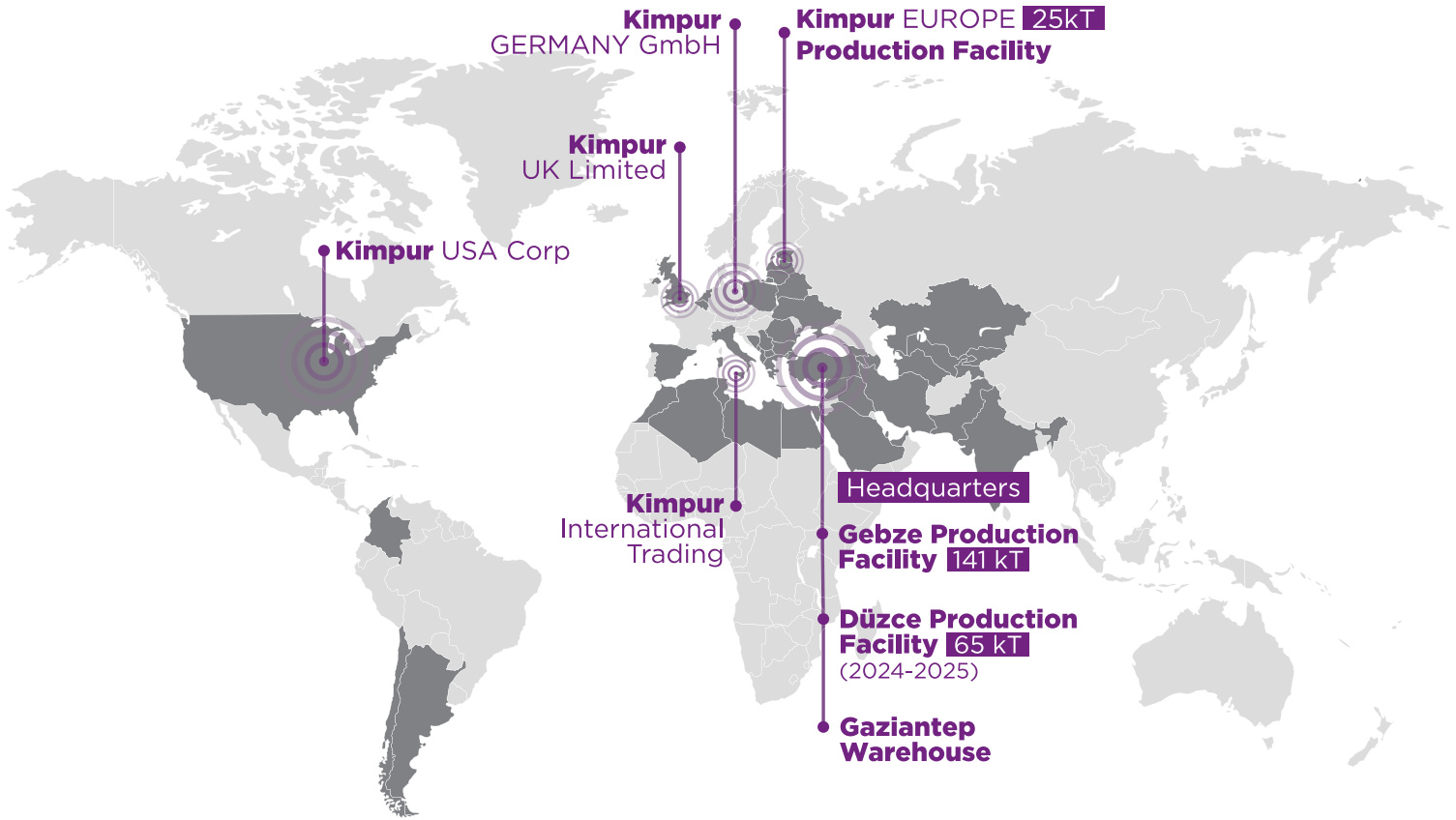
| Closed Cell | | Standard |
|----------------------|--------------------------|-------------|
| Applied Density | 8 - 15 kg/m ³ | EN 1602 |
| Closed Cell Content | <10 | DIN EN 4590 |
| Water Absorption | NA | EN 12087 |
| Thermal Conductivity | 30 - 35 mW/mK | ASTM C 518 |
| Compressive Strength | NA | ASTM D 1621 |

You can contact our sales office for further detailed information about the products, 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.

HEAD OFFICE:

İnkılap Mah. Dr. Adnan Büyükdeniz Cad.
No: 13, B Blok, Kat: 2, İç Kapı No: 6
34768 Ümraniye İstanbul TÜRKİYE
Phone : +90 212 809 15 50
Fax : +90 212 809 15 49

GEBZE PRODUCTION FACILITY:

Gebze Plastikçiler Organize
San. Bölgesi 7. Cadde No:43
41400 Gebze Kocaeli TÜRKİYE
Phone : +90 262 751 44 71
Fax : +90 262 751 02 57

DÜZCE PRODUCTION FACILITY:

OSB, Yakabaşı Mevki, 1. Cadde No:12,
81850 Gümüşova Düzce TÜRKİYE

KİMPUR EUROPE PRODUCTION FACILITY:

Brīvības iela 103, Liepāja,
LV-3401, LATVIA



KİMPUR



For more information
uncommonsolutions@kimpur.com



www.kimpur.com

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.

Edition: 2024