

KiMRIGID[®]

Rigid Foam Systems

PERFECT INSULATION



KIMPUR

Pipe Insulation Systems

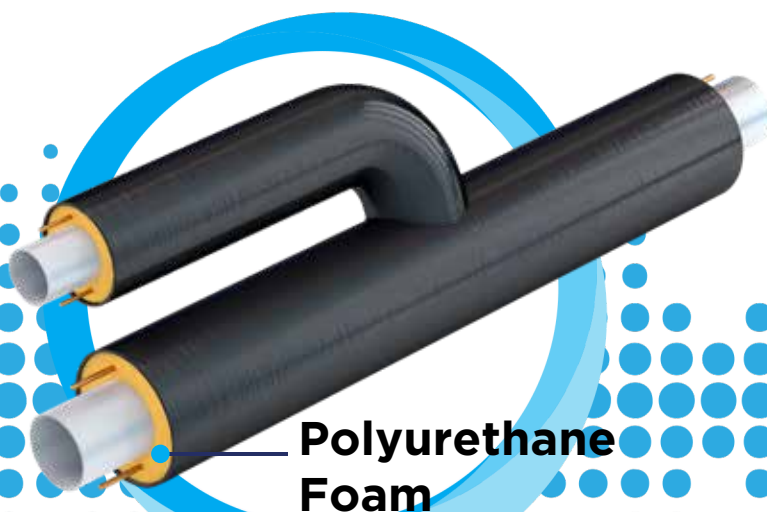
KIMrigid® Pipe Insulation Systems

Recently, the importance of energy-saving solutions in building materials has increased considerably in order to create a safe and sustainable environment, due to the climate change and the uncontrolled increase in consumption. The insulation of pipes, one of the most commonly used materials in buildings and industrial structures, has a high impact on energy savings. Therefore, highperformance insulation materials should be preferred to ensure pipe insulation.

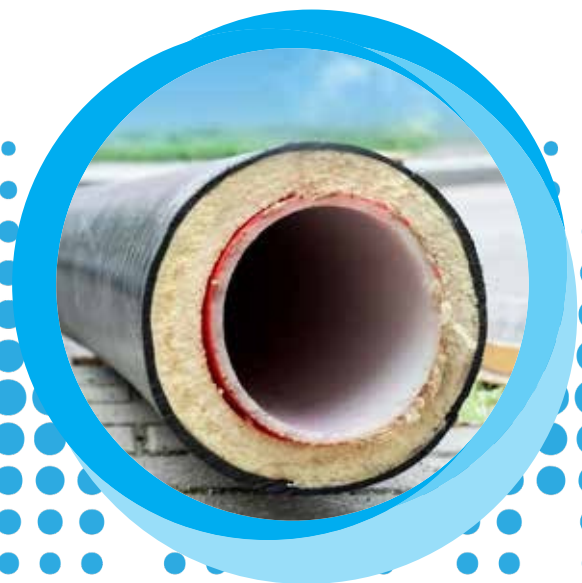
Polyurethane ensures high resistance to chemicals, condensation and corrosion, thereby ensuring long-lasting use of the pipe, shows high resistance to ultra high and low temperatures (-50°C to 135°C) and has excellent insulation properties thanks to its low thermal conductivity coefficient (λ). For these reasons, it is often preferred as pipe insulation material. Polyurethane helps maintain a warmer pipe temperature to avoid heat loss in pipes and prevent freezing or cracking in cold climates.

The thermal conductivity coefficient (λ) value of polyurethane is lower than other insulation materials such as wood, rock wool and polystyrene, thanks to the high closed cell amount of rigid polyurethane foams. Therefore, the thermal insulation by rigid polyurethane foams is much higher than other insulation materials.

KIMrigid® Pipe Insulation Systems comply with the TS EN 253 Standard and offers solutions in various densities with high insulation properties in pipe insulation.



**Polyurethane
Foam**




AREAS OF USAGE

- Oil and Gas Pipelines
- Regional Water Pipes
- Industrial Tanks

ADVANTAGES

- Saves energy.
- Ensures high heat resistance.
- Shows high mechanical resistance.
- Shortens the molding time and results in an increase in production performance, thanks to its very good adhesion to many surfaces and fast curing.
- Suitable for use with high and low pressure machines.
- Offers solutions in different densities.

KIMrigid® Pipe Insulation Systems

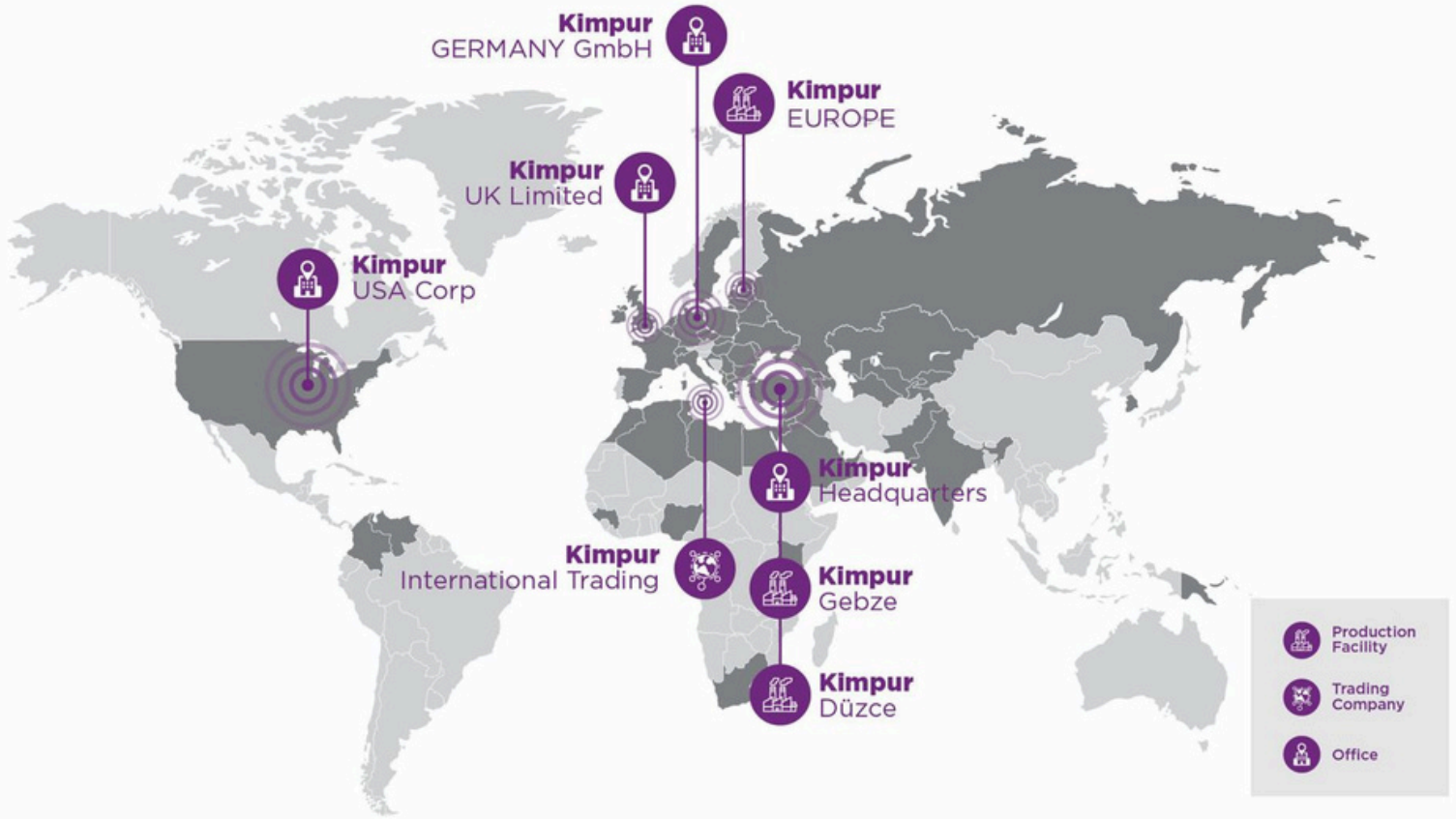
| KIMrigid® Pipe Insulation Systems | System Properties | Blowing Agent | Molded Density (kg/m ³) | Certificate |
|---|---|---------------|-------------------------------------|---|
| KIMRIGID RP 006 | Longer curing time | HFC | 42 | TS EN 253 Determination of PUR Aging Characteristics in Insulated Piping Samples |
| KIMRIGID RP 014 | Suitable for spray application. Short curing time offers low-thermal conductivity. | Water Based | 60 | - |
| KIMRIGID RP 015 | Longer curing time | Pentane | 42 | - |
| KIMRIGID RP 016 | Longer curing time. The system covers EN 253 criterias. | Water Based | 40 | - |
| KIMRIGID RP 017 | Longer curing time. The system covers EN 253 criterias. | Water Based | 45 | - |
| KIMRIGID RP 018 | Three-component system designed for better flowability in pipe production | Pentane | 65 | - |
| KIMRIGID RP 020 SERIES | The system covers EN 253 criterias. | cp95 | 40 | TS EN 253 Determination of PUR Aging Characteristics in Insulated Piping Samples |
| KIMRIGID RP 020-B  | Environmentally friendly polyurethane pipe insulation system with 15% bio-based content | HFO | 40 | TS EN 253 |

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 60 countries in 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





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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.