



# PERFECT INSULATION

**kim** RIGID®  
RIGID FOAM SYSTEMS



## Pipe Insulation Systems

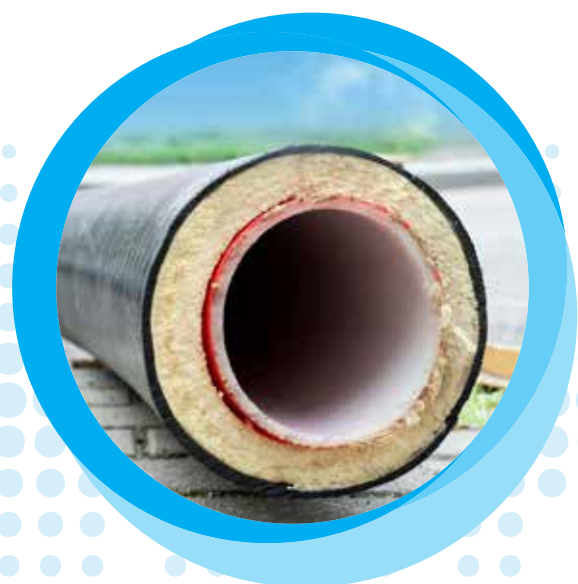
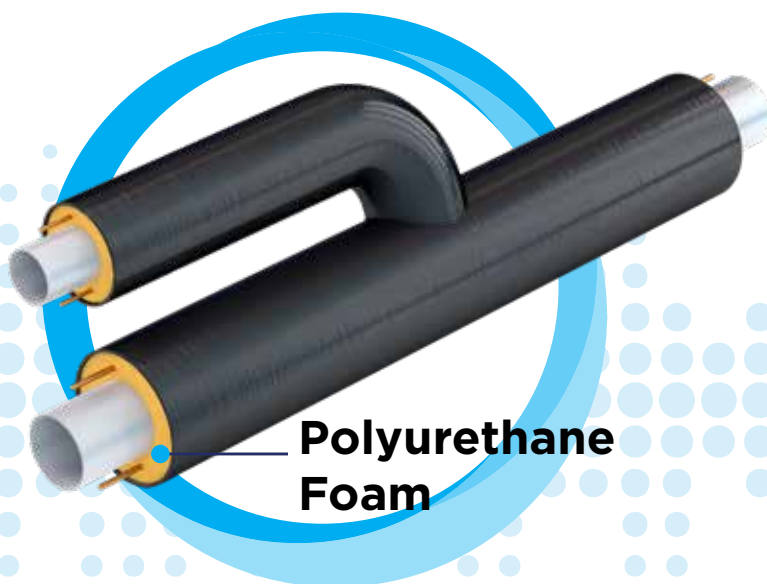
## KIMrigid® Pipe Insulation Systems

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, high-performance 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 ( $\lambda$ ). 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 ( $\lambda$ ) 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.



## 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

System Code	Mixing Ratio (Polymix / Iso)	Blowing Agent	Free Density (kg/m <sup>3</sup> )	Start Time (sec)	Gel Time (sec)
KIMrigid RP 006	135	Gas	42	36	156
KIMrigid RP 013	165	Water-based	40	40	153
KIMrigid RP 014	140	Water-based	60	9	26
KIMrigid RP 015	135	Gas	42	35	155
KIMrigid RP 016	165	Water-based	40	42	185
KIMrigid RP 017	165	Water-based	45	55	243
KIMrigid RP 018	160 + (%10 nPentane)	Pentane	65	43	170

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



# THE POLYURETHANE SYSTEM HOUSE OF TURKEY



PRODUCTION CAPACITY  
**129.000**  
**TONS**  
IN TURKEY

PRODUCTION CAPACITY  
**25.000**  
**TONS**  
IN EUROPE



Kimpur Means Mutual Trust and Cooperation



Kimpur Means Quality



Kimpur Means Fast Approach to Market Challenges



Kimpur Means Strong Communication Networks with Its All Stakeholders



Kimpur is an Innovator and Solution Provider



Kimpur Means Experience



Kimpur is Sensible to The Environment



Kimpur is a Leading and Technology-Oriented Company



[www.kimpur.com](http://www.kimpur.com)





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