



Polyurethane Market

The Leader Supplier
Polyurethane Spray Foam
Polyurethane Injection Systems
Polyurea Waterproof System
OTHERS...

Polyurethane Spray Foam Machine and Equipments

www.flykimya.com



Polyurethane Spray Foam Raw Materials

INSULATION IS NOT the **GAME**

CHOOSE YOUR SIDE



Fly chem[®]

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Open Cell



Close Cell





POLYURETHANE

Spray FOAM

CLOSE CELL
30 Density



FLYCHEM 30 Density Close Cell Foam

It has high density, it minimizes heat losses on roofs and other surfaces

High mechanical resistance

High water absorption resistance

High compressive strength

High temperature resistance



POLYURETHANE

Spray FOAM

CLOSE CELL
40 Density

non-flammable



FLYCHEM 40 Density Close Cell Foam

It has high density and high flammability resistance performance
It minimizes heat losses on roofs and other surfaces

- *High mechanical resistance
- *High water absorption resistance
- *High compressive strength
- *High temperature resistance

POLYURETHANE

Spray FOAM

OPEN CELL

08 Density

non-flammable



FLYCHEM 08 Density Open Cell Spray Foam

When applied, as the foam swells the volume increases exponentially and fills all corners and cracks

*It has high flammability resistance performanc.

*It provides optimum thermal insulation

*It is also a very effective product for sound insulation



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Polyurea

PU Injection

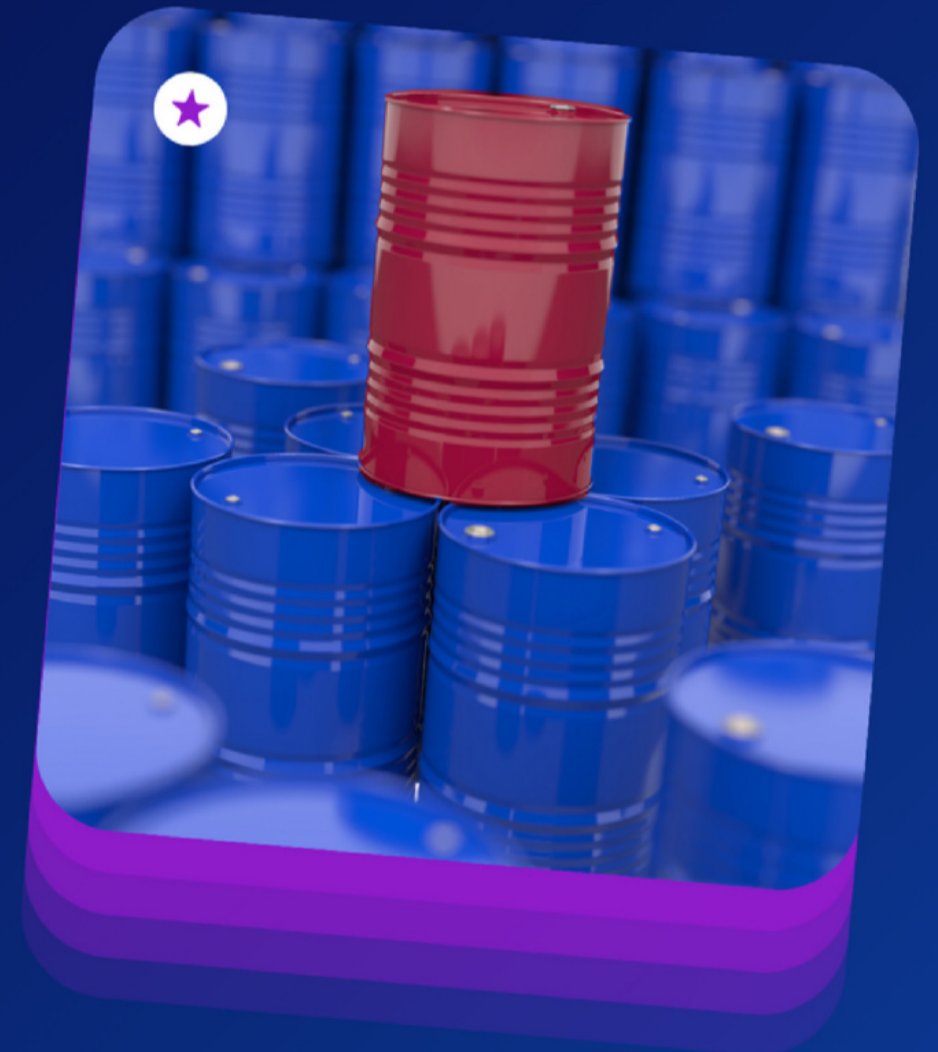
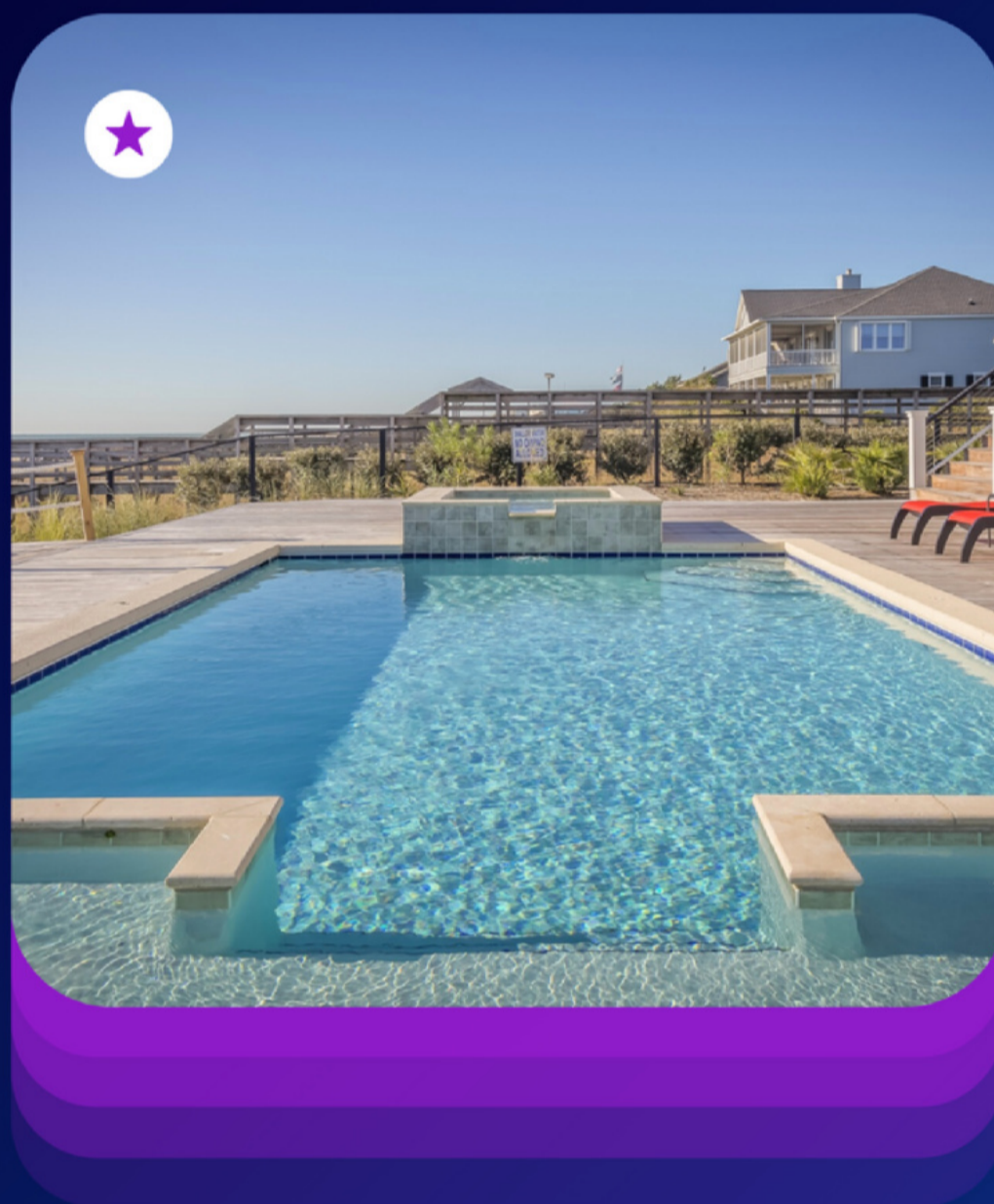
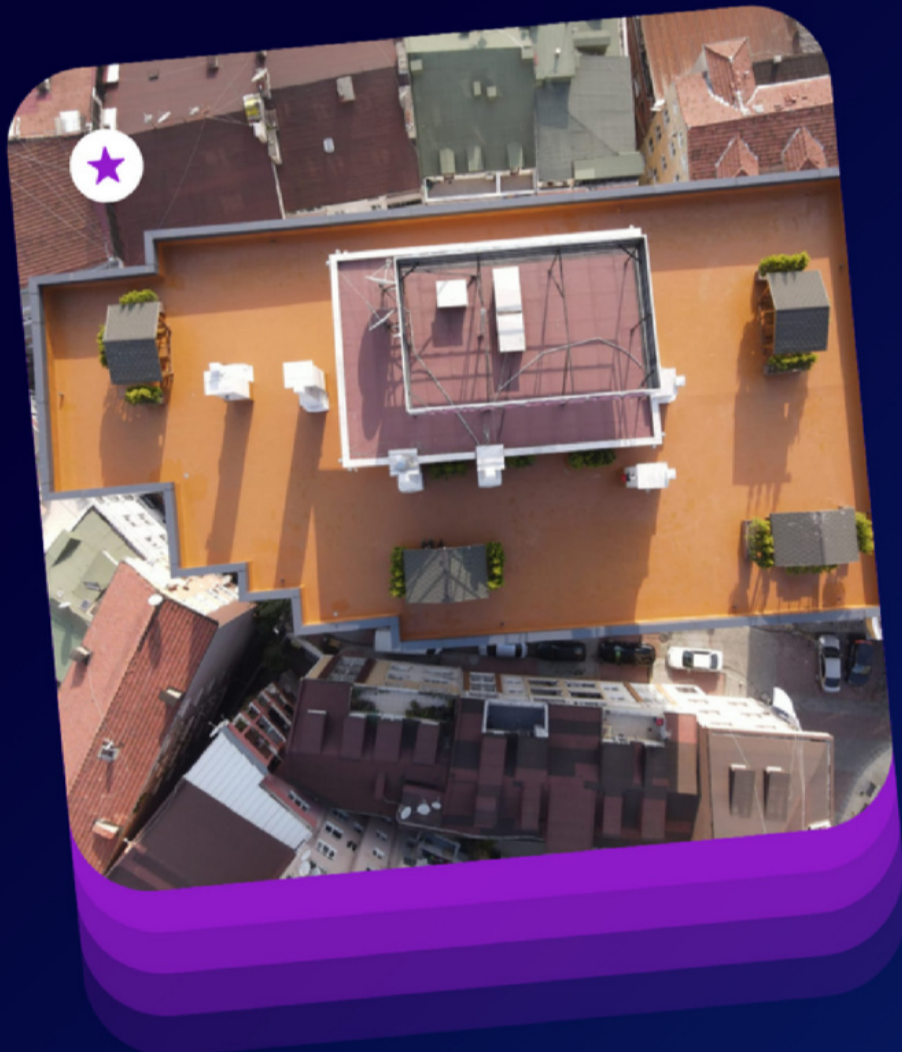
WATERPROOFING Systems

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polyurea

Flychem pu 1100 pure polyurea provides perfect performance with its high quality waterproofing feature.

pure



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FLYCHEM POLYUREA %100 PURE

Polyurea is a two-component, highly reactive flexible pure polyurea spray coating material formed by the reaction of the isocyanate-based prepolymer and the multi-functional amine mixture.

- *Fast curing
- *Application on vertical surfaces
- *Chemical resistance
- *Abrasion resistance
- * Seamless coating application
- *High mechanical strength
- *Corrosion resistance
- *Environmentally friendly (VOC free)

polyurea *hybrid*



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FLYCHEM POLYUREA HYBRID

Polyurea is a two-component, highly reactive flexible pure polyurea spray coating material formed by the reaction of the isocyanate-based prepolymer and the multi-functional amine mixture.

CONCRETE CRACKS



All Waterproof Surfaces

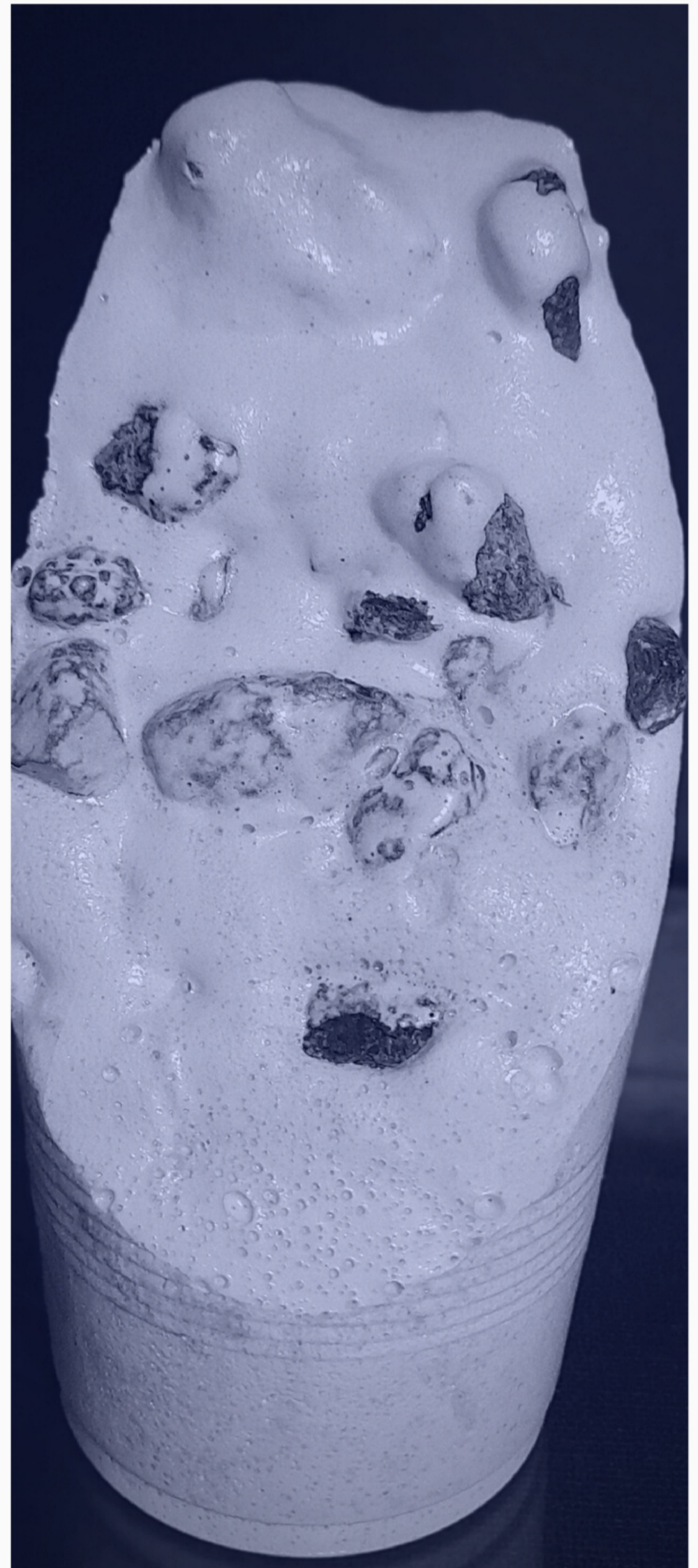
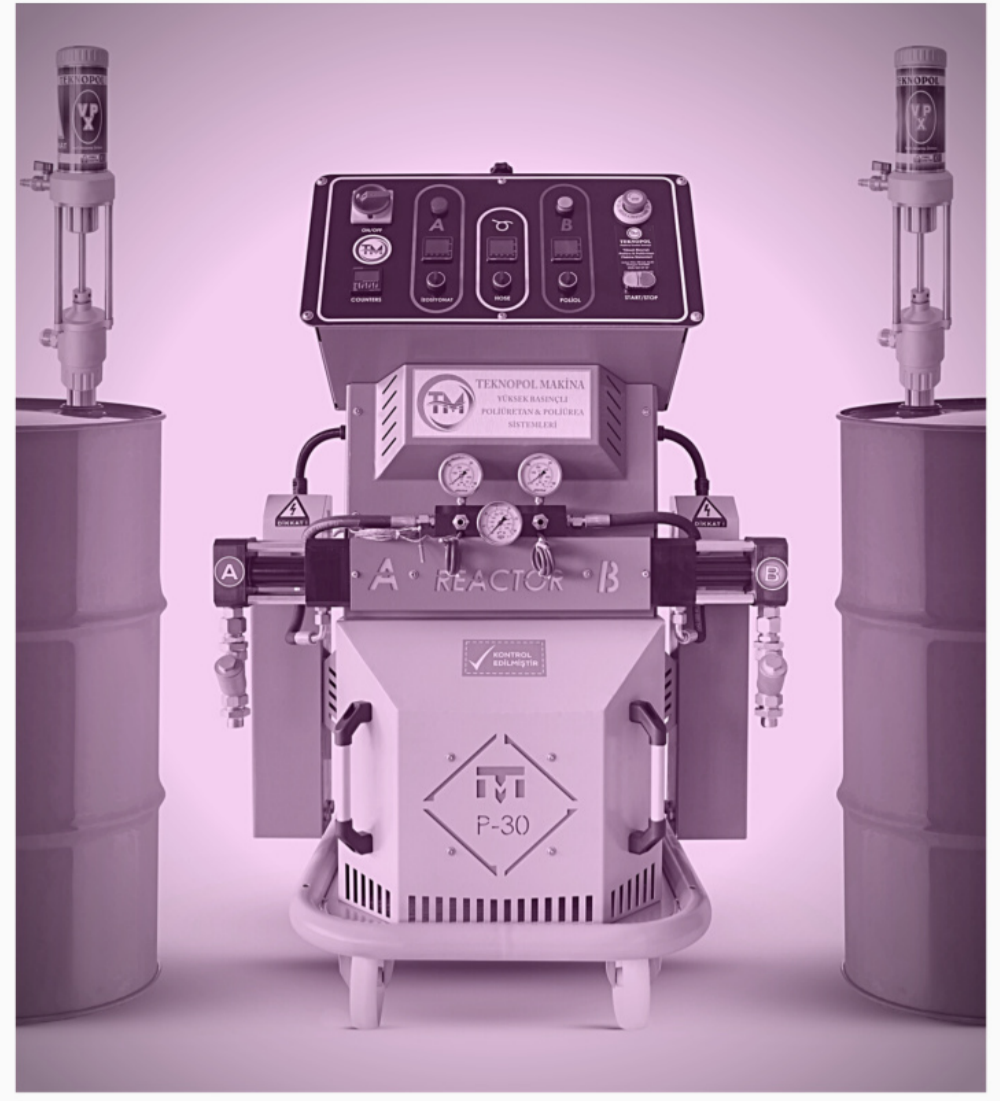
POLYURETHANE
FOAM INJECTION SYSTEMS



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- ✓ Water Leakages
- ✓ Tunnels
- ✓ Building Basiss
- ✓ Walls
- ✓ Floors
- ✓ Elevator Spaces





OTHERS...

RAW MATERIALS
POLYURETHANE & POLYUREA SPRAY MACHINES



TDI

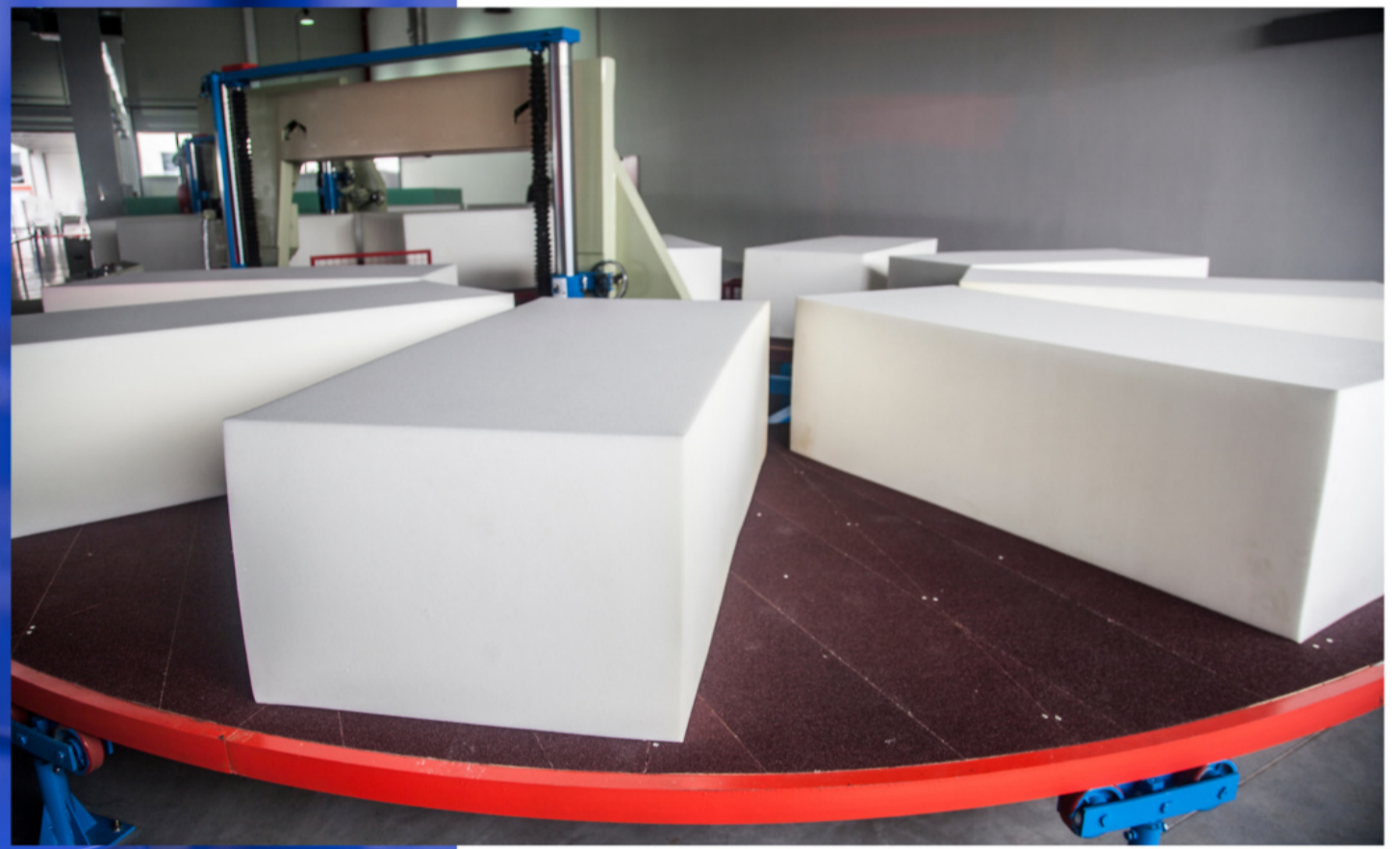
TOLUENE DIISOCYANATE

POLYOL

TDI 80/20 Toluen Diizosiyanat

TDI is a precursor chemicals used in the manufacture of foams, elastomers, sealants, varnishes, paints and protective coatings for automobiles for polyurethane based products.

It is the main compound in the manufacture of mattress foams. It is used together with polyol and catalyst in these processes.



Polyester Polyol

The Polyester Polyols are the base polyols used in the production of Rigid and Flexible Polyurethane.

Polyether Polyol

Polyether polyols, together with Polymeric MDI, form the basic raw material of polyurethane rigid foams, which are mostly used in thermal insulation. Among the application areas of rigid polyols; systems such as polyurethane panel, refrigerator, spray foam and wood imitation.

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PMDI

Polymeric Methylene Diphenylisocyanate

MMDI

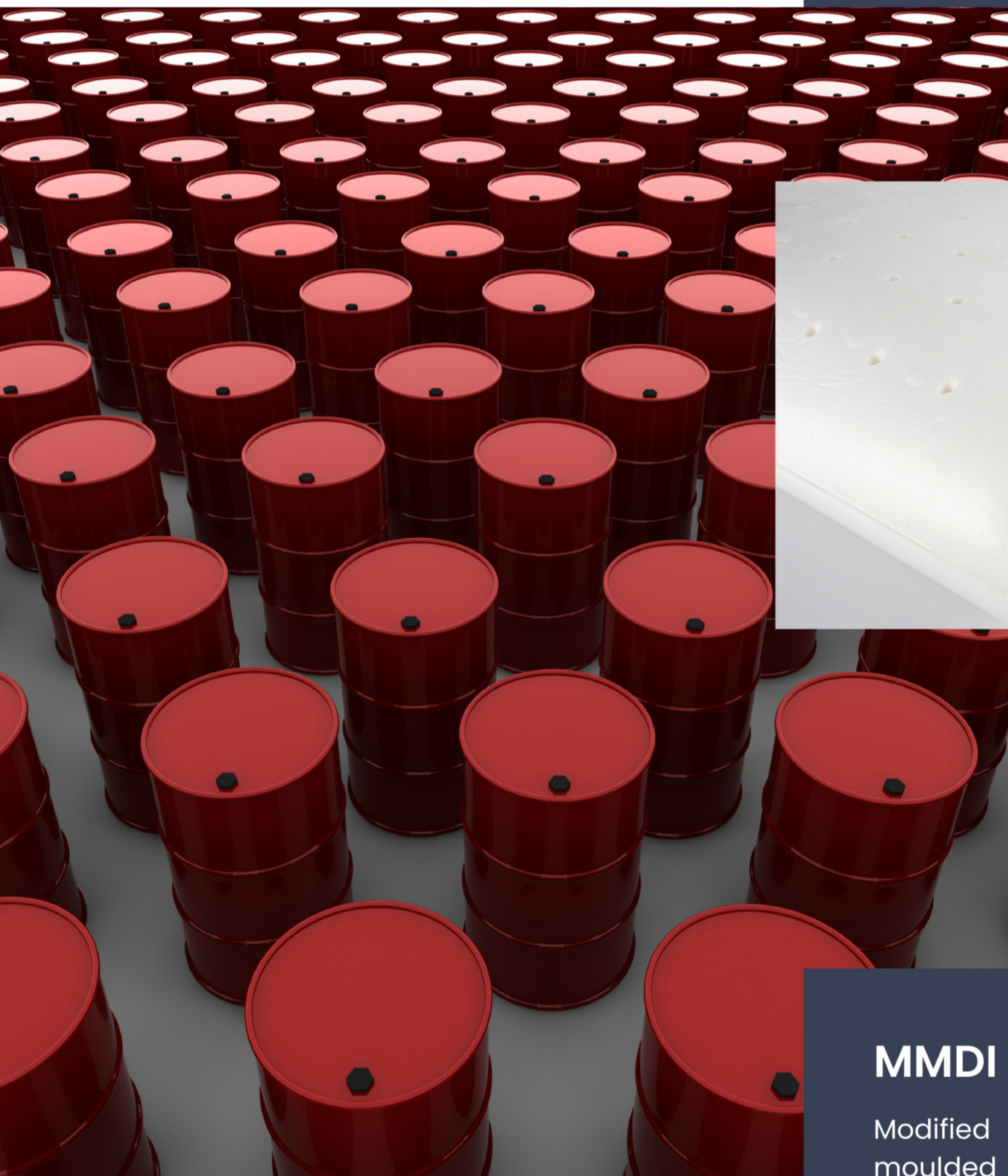
Modified Diphenylmethane Diisocyanate (MDI)

PMDI

Polymeric Methylene Diphenylisocyanate

PMDI is a versatile product used to produce a wide variety of rigid, flexible, semi-rigid and polyisocyanurate and thermoset foams.

It comes in two forms, pure MDI and polymeric MDI (PMDI). Pure MDI elastomers are used in the manufacture of various polyurethane products such as sealants, adhesives and coatings.



MDI

MDI is one of the most important chemical raw materials currently used in the polyurethane industry. MDI or MMDI are the most used abbreviations for this material which can be used as "pure" MDI, Modified MDI or Polymeric MDI (PMDI)

MMDI

Modified MDI is mainly used for producing moulded foam, which is primarily used to make car seats, high-grade toys, furniture and cushions. In addition, it is used for making shoes as well as adhesive and elastomer.

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POLYURETHANE SYSTEMS

- COLD ROOM INSULATED PANELS
- SANDWICH PANELS
- SHOES & SHOE COMPONENTS
- WOOD IMITATION

POLYURETHANE COLD ROOM INSULATED PANELS

Polyurethane systems consisting of polyurethane and isocyanate, with 38-44 kg/m³ application density, used in cold-chamber panel manufacturing in cooling industry, that can be applied in discontinuous presses and in B1, B2 and B3 combustibility class according to DIN 4102 standard.



POLYURETHANE SANDWICH PANELS

Systems with B1, B2 and B3 combustibility according to DIN 4102 standard and that are in application densities of 35-44 kg/m³ to be applied between metal-metal, metal-membrane (PVC-TPU) used in roof and front coatings of structures such as factories, malls, cold-chamber depots, prefabricated etc. It consists of five components as polyurethane, isocyanate, catalyst, solid and inflator agent.



POLYURETHANE SHOES & SHOE SYSTEMS

Polyurethane systems produced in two groups as polyether and polyester and used to provide comfort inside the shoe.

Polyurethane systems in various density and hardness values, used in shoe sole, slipper and sandal manufacturing with high flexibility resistance.

POLYURETHANE WOOD IMITATION

Polyurethane systems that provides decorative using advantage and used generally in furniture and wood industry.



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More Information:

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OTHER CHEMICAL RAW MATERIALS



- Adipic Acid

- Catalysts
- Monoethylene Glycol (MEG)



- DMFA
- Methylene Chloride

Please contact us !

All chemical raw materials and Technical Data Sheets (TDS) of raw materials in our portfolio.

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POLYURETHANE SPRAY FOAM MACHINE

STRONG & FAST

The improved proportioner system offers the advantage of less maintenance and longer life

Instant kilogram control with micro precision liquid control system



HIGH PRESSURE

Bora SPX
Spray Gun



V.P.X
Barrel Transfer Unit



It is also best for
POLYUREA

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HANHA[®]


Fly paint[®]


PRAPAK[®]
EASY PACKAGING


AssanPanel

Anbar Mah. 2973. Sokak No:35/L Melikgazi-Kayseri / TÜRKİYE

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