

DEFINITION

Spray polyurethane foam is formed on-site by two liquid chemical components called Component A and Component B. Component A consists of isocyanates, while Component B is composed of polyol chemicals. When these two components are rapidly mixed, polyurethane foam is produced.

**APPLICATION**

When applying spray polyurethane insulation, the condition of the surface being treated is not critical. Regardless of the condition of the surface where polyurethane foam is applied, there is no need for any adhesive or mechanical fastening. Polyurethane foam has the capability to provide seamless coverage and adheres to the surface, eliminating all thermal bridges. The application is carried out using high-pressure, two-component spray machines where the two components mix and react at the spray nozzle, causing expansion on the sprayed surface. This ensures the desired thermal insulation is achieved.

USAGE AREAS

- In roof attic insulation,
- In trapezoidal roof insulation,
- In inverted ceiling structures,
- In animal shelters,
- In cold storage rooms,
- In building facade walls,
- In concrete for terrace insulation,
- In creating decorative surfaces,
- In filling voids.

FEATURES

- Feature of application without additional space,
- Fills all gaps,
- It has the lowest thermal conductivity value,
- It is applied to inverted and vertical floors,
- It has B2, B1 flammability resistance,
- Application can be made on any surface,
- It expands within seconds,
- Production can be made between 30-60 Density,



Product Features

Feature	İZOSİYANAT	POLYOL
Viscosity, 25°C	220-250 mPas	180-220 mPas
Specific Gravity	1,23	1,12

Fiziksel Özellikleri

	Value	Value
Ürün türü		Polyürethane
Renk		Yellowish
Gel Time		7-10
Tack-free Time		12-17
OH Value	mgKOH/g	280-300
Density	Kg/m3	30-35
Fire resistance		B2
UV resistance		Unstable
Health Suitability		Not harmful
Tensile strength		110 psi

Temperature of Storage	15 °C/ 30 °C
Shelf life	6-12 Month

Application

Volumetric Mixing Ratio	1:1
Application Temperature	min. 30°C
Minimum final output pressure	min. 150 bar
Machine	1:1 Ratio

*Component B (Polyol) should be mixed with a mixer for approximately 10 minutes before use.

- A There is no visible damage.
- B Minor superficial imperfection
- C There is slight surface discoloration, with no loss of strength.
- D Swelling <48 hrs
- E Swelling <24 hrs