

DESCRIPTION

PU foam is a two-component polyurethane foam based on polyether polyols and aromatic isocyanates.

MAIN FEATURES AND USE

- Easy processing
- CFC-free
- Suitable for filling air chambers, buoyancy bodies, and surfboards
- Suitable for model building and set construction
- Good thermal and sound insulation
- Closed-cell structure
- Easy to work with using a saw, file, or sandpaper
- PU foam is suitable for the production of models for polyester molds.

COLORS

Light yellow – discolors under the influence of sunlight.

BASIC DATA (AT 20 °C AND 50% R.H.)

Density: approximately 1.2 g/cm³ (mixed)
Core density: approximately 0.03 g/cm³ (mixed)
Compressive strength: approximately 1.5 kg/cm²
Moisture absorption: max. 5% (volume)
Shrinkage after curing: max 5% (volume)
Thermal conductivity: approximately 0.02 W/mK
Solid content: approximately 100% (volume)
Fully cured in: approximately 4 minutes
Paintable after: min. 24 hours, see additional information
max. unlimited, if clean and grease-free
Shelf life: unmixed, in original packaging, in a cool and frost-free place for at least 3 months
Flashpoint (DIN53213): base component >100 °C,
hardener component >100 °C

YIELD

For 30 liters of foam: 1 kg PU Foam (mixed)

The practical yield depends on several factors, such as the shape of the object, the condition and profile of the surface, the application method, weather conditions, and the skill of the applicator.

SURFACE CONDITION AND TEMPERATURE

All surfaces: in good condition, dry, and free from contaminants and loose parts.

During application and curing, a minimum temperature of 15 °C is allowed. The temperature of the substrate must be at least 3 °C above the dew point.

INSTRUCTIONS FOR USE

Before use, mix the components intensively.

Mixing ratio: 50.0 base : 50.0 hardener (by weight)
50.0 base : 50.0 hardener (by volume)

Only prepare an amount that can be applied within the processing time.

Induction time: none
Processing time: 60 seconds at 25 °C
90 seconds at 20 °C
120 seconds at 10 °C

Application with :

	Pouring
Type thinner	N/A
% dilution	N/A
Nozzle opening	N/A
Spray pressure	N/A
Cleaning	Double Coat degreaser

ADDITIONAL INFORMATION

- Blowing Agent
Contains fluorinated greenhouse gases (HFK365mfc/227ea).
- Application of PU Foam
Dispense components A and B in the correct amounts into two separate mixing cups. Mix the two components immediately before use. The more thorough the mixing of the components, the more uniform the foam. The liquid mixture can be poured into any shape, after which it expands into foam.
PU foam adheres to almost all surfaces, provided they are dry and grease-free.
- Overdosing
If too much material is poured into a mold, overpressure can occur. It is recommended to foam in sections to prevent overpressure. When the mixture encounters more resistance, a denser, more compact foam will form.
- Opening packages verpakkingen
Due to the blowing agent, the packaging of component A of PU foam may be under pressure. Therefore, open the packaging carefully.
- Repainting
PU foam can be treated with polyester, epoxy, or polyurethane coatings. It is important to first fill the open structure on the surface with a suitable filler or possibly apply a laminate.

SAFETY INFORMATION

For detailed information, refer to the product safety data sheet.

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Disclaimer

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