



ASSYST sprl / A.S.O.W. sprl
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POLUREA 40 A+B

DESCRIPTION:

Two-component elastomeric polyurethane system with hardness of 40 Shore A, high elongation and good tear resistance. The product reaches its final properties after 7 days at 25°C.

APPLICATION:

Production of moulds for plaster and cement, demonstration and elastomeric components with medium hardness.

PROCESSING:

Pouring in vacuum or at atmospheric pressure on suitable treated plaster, concrete, metal, resin models. Pour at temperatures above 15°C. Casting on dry models and insulated against moisture. The product can be pigmented after the compatibility check.

SYSTEM SPECIFICATIONS:

Component Polurea 40 A	
✓ Viscosity at 25°C	2.000-3.000 mPas
✓ Color	amber
✓ Density at 25°C	0.95-1.05 g/ml
Component Polurea 40 B	
✓ Viscosity at 25°C	100-150 mPas
✓ Color	amber
✓ Density at 25°C	1.05-1.15 g/ml

CHARACTERISTICS OF THE TYPICAL SYSTEM:

Processing Data:

✓ Mixing ratio by weight	100:50
✓ Mixing ratio in volume	100:45

TYPICAL SYSTEM CHARACTERISTICS:

✓ Potlife (100 ml, 40 mm, 25°C):	23-27 min
✓ Geltime (15 ml, 5 mm, 25°C):	45-55 min
✓ Deformation time (15 ml, 5 mm, 25°C):	15-18 hours
✓ Max. recommended thickness:	50-60 mm

TYPICAL HARDENED SYSTEM PROPERTIES:

(Standard curing 7 days at room temperature)

✓ Colour:	amber
✓ Density:	0.95-1.05 g/ml
✓ Hardness:	38-42 Shore A/15
✓ Shrinkage (%)	negligible
✓ Elongation at break (%)	> 1000

INSTRUCTIONS FOR PROPER USE:

Clean the model thoroughly, treat it with a suitable sealer and apply a proper release agent. Mix the two components (resin and hardener) in appropriate amounts until a homogeneous compound is obtained, then pour quickly.

POST-TREATMENT:

No need.



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BEWARE:

Polurea 40 A resin and its hardener (Polurea 40 B) can be kept for one year in the original sealed packaging in a cool, dry environment. The resin is sensitive to moisture, so that the product may clog up. Consult the safety data sheet and follow the instructions for industrial hygiene and waste disposal.