



ASSYST sprl / A.S.O.W. sprl
 Hellegatstraat 13a - 2590 Berlaar - Belgium
 Tel: +32 495 50 61 14 / +32 496 83 70 27
 Website: www.assyst.org / www.artsuppliesonweb.com
 Email: ao@assyst.org / vera.opsommer@assyst.org

POLUREA 60 A+B

DESCRIPTION:

Two-component elastomeric polyurethane system with hardness of 60 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. Moulds for reconstructed stone.

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 60 A	
✓ Viscosity at 25°C	2,300-2,700 mPas
✓ Color	pale yellow
✓ Density at 25°C	0.95-1.05 g/ml
Component Polurea 60 B	
✓ Viscosity at 25°C	120-160 mPas
✓ Color	pale yellow
✓ Density at 25°C	1.05-1.15 g/ml

CHARACTERISTICS OF THE TYPICAL SYSTEM:

Processing Data:

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

TYPICAL SYSTEM CHARACTERISTICS:

✓ Potlife (100 ml, 40 mm, 25°C):	12-16 min
✓ Gelttime (15 ml, 5 mm, 25°C):	35-45 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:	pale yellow
✓ Density:	0.95-1.05 g/ml
✓ Hardness:	58-62 Shore A/15
✓ Shrinkage (%)	negligible
✓ Elongation at break (%)	> 8000
✓ Tensile strength (ISO 527)	3.00 - 3.50 MN/m ²
✓ Elastic modulus 100%	0,30 - 0,50 MN/m ²
✓ Tear strength (ISO 34)	8 - 10 MN/m ²

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.



ASSYST sprl / A.S.O.W. sprl
Hellegatstraat 13a - 2590 Berlaar - Belgium
Tel: +32 495 50 61 14 / +32 496 83 70 27
Website: www.assyst.org / www.artsuppliesonweb.com
Email: ao@assyst.org / vera.opsommer@assyst.org

POST-TREATMENT:

No need.

BEWARE:

Polurea 60 A resin and its hardener (Polurea 60 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.