



ASSYST sprl / A.S.O.W. sprl
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UV RESISTANT EPOXY RP025UV WITH HARDENER IPE725A4

DESCRIPTION:

Two components unfilled epoxy system, liquid, very good surface finish and yellowing resistant. Self-levelling and quick hardening.

APPLICATION:

Creation of transparent surfaces resistant to yellowing. Small handicraft.

PROCESSING:

Pouring. Pour on dry surfaces and at a room temperature above 16-18°C and a humidity below 60%. Minimum casting thickness 2 mm to prevent shrinkage.

SYSTEM SPECIFICATIONS:

Resin RP 025 UV

- | | |
|---------------------|----------------|
| ✓ Viscosity at 25°C | 600-900 mPas |
| ✓ Color | light purple |
| ✓ Density at 25°C | 1.10-1.15 g/ml |

Harder IPE 725 A4

- | | |
|---------------------|----------------|
| ✓ Viscosity at 25°C | 250-350 mPas |
| ✓ Color | colorless |
| ✓ Density at 25°C | 0.98-1.02 g/ml |

CHARACTERISTICS OF THE TYPICAL SYSTEM:

Processing Data:

- | | |
|--|------------|
| ✓ Mixing ratio by weight | 100:50 |
| ✓ Mixing ratio in volume | 100:55 |
| ✓ Processing time at 25°C (100ml, 40mm) | 14-18 min |
| ✓ Gelling time at 25°C (15ml; 5mm) | 2-3 u |
| ✓ Exothermic peak at 25°C (100 ml, 40mm) | 145-155°C |
| ✓ Tack-free (1 mm, 25°C) | 10-12 hrs. |
| ✓ Hardening (1 mm, 25°C) | 20-24 hrs. |
| ✓ Minimum recommended thickness | 1.5-2.0 mm |
| ✓ Maximum recommended thickness | 4-5 mm |

TYPICALLY CURED SYSTEM PROPERTIES:

Properties determined on cured samples: 24 h KT (room temperature) + 15 h 60°C

- | | |
|--------------------|---------------------------|
| ✓ Color | colourless - light violet |
| ✓ Density at 25°C | 1.08-1.10 g/ml |
| ✓ Hardness at 25°C | 85-90 shore D/15 |

INSTRUCTIONS:

Check the components and homogenize if necessary before use. Mix the two components (resin and hardener) in the correct mixing ratio avoiding air entrapment until a homogeneous mixture is obtained, then pour.

CURING / POST TREATMENT:

No need.

STORAGE:

Epoxy resins and hardeners can be stored in their original closed packaging in a cool and dry place for more than a year. Hardeners are moisture sensitive.



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Refer to the product data sheet for health and safety.