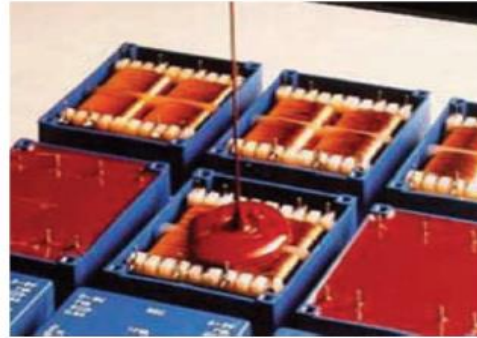


Potting, Casting and Encapsulation



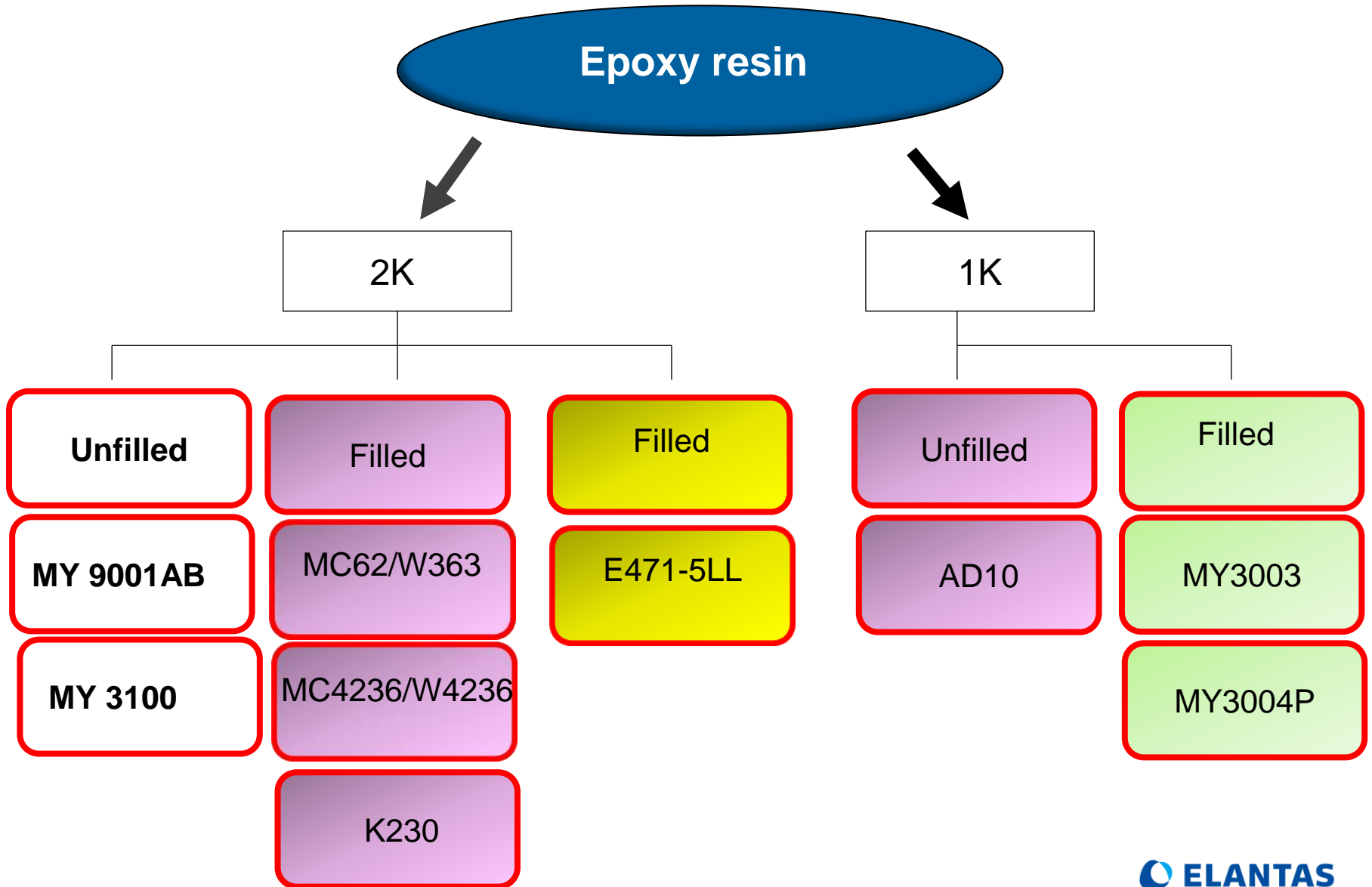
Typical Applications

Potting and Encapsulation

- Ignition coils
- Ballast
- Transformers
- Coils
- Switches
- Printed Circuit Assemblies
- Sensors
- Potting For LED Arrays
- Etc...



EMY Products Recommendation



ADHESIVE & ELECTRONIC COMPONENTS

ELAN-Bond AD 10

- Chemical Base: Epoxy
- Viscosity @ 25°C (mPa.s): 520,000+-50,000
- Thixotropic 5.0-6.0
- Curing Cycle: 100°C / 30 mins
- Application Method: STRUCTURE ADHESIVE / POTTING CPD

Distinctive Properties

- Un-Filled
- Fast curing
- Low viscosity
- Excellent bond strength
- High thixotropic

Recommendation

- Adhesive and Potting for electronic components

ADHESIVE & ELECTRONIC COMPONENTS

ELAN-Bond MY3003 & 3004P

- Chemical Base: Epoxy
- Viscosity @ 25°C (mPa.s): 40,000+-50,000
- Thixotropic 2.0-3.0
- Curing Cycle: 130°C / 60 mins
- Application Method: STRUCTURE ADHESIVE / POTTING CPD

Distinctive Properties

- Filled
- Room temperature storage
- Low viscosity
- Excellent bond strength
- High thixotropic

Recommendation

- Adhesive and Potting for electronic components

2K EPOXY ADHESIVE & ELECTRONIC COMPONENTS

ELAN-Bond K230

- Chemical Base: Epoxy
- Viscosity @ 25°C (mPa.s): 50,000-75,000
- Curing Cycle: 65°C / 2 hours/25C/24-36 hours
- Application Method: STRUCTURE ADHESIVE

Distinctive Properties

- Un-Filled
- Fast curing
- High bond strength
- Electrically insulating
- Non-Flowing paste

Recommendation

- Adhesive for general and electronic components

NON-UL POTTING MATERIAL FOR LV TRANSFORMERS & ELECTRONIC COMPONENTS

ELAN-MY 9001AB

- Chemical Base: Epoxy
- Viscosity @ 25°C (mPa.s): 30,00-40,000
- Thermal Class: 155 (F)
- Curing Cycle: 60°C / 15mins or RT / 4hrs
- Application Method: ADHESION, COATING

Distinctive Properties

- Un-Filled
- Ambient cure
- Good flexibility
- Good adhesive
- Non-UL

Recommendation

- Potting LV transformer and electronic components

NON-UL POTTING MATERIAL FOR LV TRANSFORMERS & ELECTRONIC COMPONENTS

ELAN-MY 3100

- Chemical Base: Epoxy
- Viscosity @ 25°C (mPa.s): 700-900
- Thermal Class: 155 (F)
- Curing Cycle: 60°C / 15mins or RT / 4hrs
- Application Method: ADHESION, COATING

Distinctive Properties

- Un-Filled
- Ambient cure
- Clear
- Good adhesive
- Non-UL

Recommendation

- Potting and electronic components

UL94 V0 POTTING MATERIAL FOR LV TRANSFORMERS & ELECTRONIC COMPONENTS

ELAN-CAST E471-5LL / C471-5LL

- Chemical Base: Epoxy
- Viscosity @ 25°C (mPa.s): 1500-3000
- Thermal Class: 155 (F)
- Curing Cycle: 25°C / 48hrs OR 80°C / 4hrs
- Application Method: POTTING / ENCAPSULATION

Distinctive Properties

- Filled
- Ambient cure
- Low viscosity
- Long pot time
- Low exothermal
- Low shrinkage
- UL94 V0

Recommendation

- Potting LV transformer and electronic components

UL94 V0 CLASS F FOR ELECTRICAL & ELECTRONIC COMPONENTS

ELAN-TRON MC62 / W363 Series

- Chemical Base: Epoxy
- Viscosity @ 25°C (mPa.s): 1400-2200
- Thermal Class: 155 (F)
- Curing Cycle: 25°C / 48hrs OR 80°C / 4hrs
- Application Method: ENCAPSULATION

Distinctive Properties

- Filled
- Ambient cure
- Good thermal conductivity
- Good marine resistance
- Halogen and solvent free
- UL listed for Class F
- UL94 V0
- Available in clear, black and green

Recommendation

- Transformer
- Igniters
- Submersible pumps
- Elnoise filters

Automotive, medical device application

UL94 V0 CLASS H FOR ELECTRICAL & ELECTRONIC COMPONENTS

ELAN-TRON MC4236 / W4236

- Chemical Base: Epoxy
- Viscosity @ 25°C (mPa.s): 4000-6500
- Thermal Class: 180 (H)
- Curing Cycle: 25°C / 48hrs OR 80°C / 4hrs
- Application Method: POTTING / ENCAPSULATION

Distinctive Properties

- Filled
- Ambient cure
- Good thermal conductivity
- Good marine resistance
- Halogen and solvent free
- UL listed for Class H
- UL94 V0

Recommendation

- Encapsulation, sealing and impregnation of electrical and electronic components

Automotive, medical device application

Polyurethane available in EMY

- Room Temperature Cured two-component, 100% solids thermosets
- Tg Glass Transition Temperature: Formulated from -45°C to 15 °C .
- Gel and Cure profiles : few minutes to hours
- Rheology: Low viscosity, highly thixotropic
- Hardness: Ranging for 30A to 50D
- Different color
- CONAP® CONASHIELD Combines Potting Performance with Conformal Coating Convenience

Polyurethane (2K)

