

POLYURETHANE

5 Strengths of Coating Type	5 Weaknesses of Cure Type
<ul style="list-style-type: none">• Good dielectric properties• Good moisture resistance• Solvent resistance• Less reversion potential• Abrasion resistance	Solvent Evaporation <ul style="list-style-type: none">• Moisture affects cure rate and desired properties• Long complete cure time (up to 30 days)• Health and safety concerns• Potential for high stress during temperature cycling conditions• High probability of reversion under temperature and humidity stress conditions
	Heat Cure <ul style="list-style-type: none">• Cure is dependent on thickness• Component mass affects time and temperature of cure process• High VOC potential• Reacts violently with presence of water• Should be used with caution for low temperature components
	UV Cure <ul style="list-style-type: none">• One component coatings require accurate application material to avoid shadowed areas• Two part systems require meter mix equipment• Some coatings are more difficult to rework• UV Intensity and Wavelength effects cure• Some secondary cure mechanisms require heat exposure