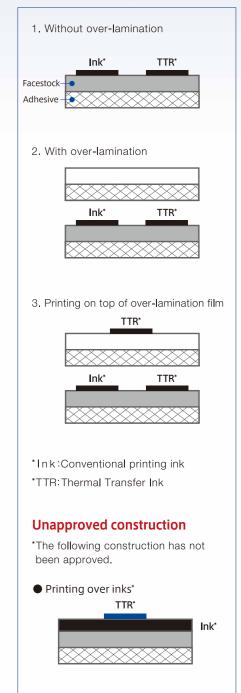
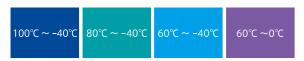
Details of UL Recognition (Approved Surfaces and Temperature Ranges)

		Surfaces	Metals				Painted Metals			Plastics								
Types of facestock			Galvanized steel	Aluminium*1	Stainless steel	Nickel-plated steel	Melamine paint	Acrylic paint	Epoxy paint	Ероху	Phenolic	PPOX	PP	PS	PC	PVC	ABS	
Polyester (PET) film based materials	FNS Bright(B), FNS Matt(M), TE, HL	PAT1,PAT1E	100°C -40°C	100°C -40°C	100°C -40°C	100°C -40°C	100°C -40°C	100℃ -40℃	80°C -40°C	80°C -40°C	80°C -40°C	80°C -40°C	Indoor 60°C 0°C	60°C -40°C	60°C -40°C	60°C -40°C	60°C -40°C	
	White PET K24(k)•K17(k)	PAT1, PAT1E	100℃ -40℃	100℃ -40℃	100°C -40°C	100°C -40°C	100°C -40°C	100℃ -40℃	80°C -40°C	80°C -40°C	80°C -40°C	80°C -40°C	60°C -29°C	60°C -40°C	60°C -40°C	60°C -40°C	60°C -40°C	
	PET (clear, matt)	NPL	100°C -40°C	100°C -40°C	100°C -40°C	100°C -40°C	100℃ -40℃	100℃ -40℃	80°C -40°C	80°C -40°C	80°C -40°C	80°C -40°C	Indoor 60°C 0°C	60°C -40°C	60°C -40°C	60°C -40°C	60℃ -40℃	
		PAT1,PAT1E	100°C -40°C	100°C -40°C	100°C -40°C	100°C -40°C	100°C -40°C	100°C -40°C	80°C -40°C	80°C -40°C	80°C -40°C	80°C -40°C	Indoor 60°C 0°C	60°C -40°C	60°C -40°C	60°C -40°C	60°C -40°C	
	PETWH	PAT1,PAT1E	100°C -40°C	100°C -40°C	100°C -40°C	100°C -40°C	100°C -40°C	100°C -40°C	80°C -40°C	80°C -40°C	80°C -40°C	80°C -40°C	Indoor 60°C 0°C	60°C -40°C	60°C -40°C	60°C -40°C	60°C -40°C	
		M4		Indoor 100°C -40°C	Indoor 100°C -40°C	Indoor 80°C -40°C*2			Indoor 100°C -40°C			Indoor 80°C -40°C		Indoor 80°C -40°C	Indoor 80°C -40°C		Indoor 80°C -40°C	
		PA10		Indoor 100°C -40°C	Indoor 100°C -40°C	Indoor 100°C -40°C			Indoor 100°C -40°C									
Synthetic paper based materials	Yupo UV, Yupo SG, Yupo VES	PAT1,PAT1E	100°C -40°C	100°C -40°C	100°C -40°C	100°C -40°C	100°C -40°C	100℃ -40℃	80°C -40°C	80°C -40°C	60°C -40°C	80°C -40°C	Indoor 60°C 0°C	60°C -40°C	60°C -40°C	60°C -40°C	60°C -40°C	
	Yupo UV	M4		Indoor 100°C -40°C	Indoor 100°C -40°C				Indoor 100°C -40°C			Indoor 80°C -40°C		Indoor 60°C -40°C	Indoor 60°C -40°C		Indoor 60°C -40°C	
Bubble free labelstocks	FNS Matt(M) White PET	Special Adhesive	100°C -40°C	100°C -40°C	100°C -40°C			100°C -40°C	80°C -40°C	80°C -40°C	80°C -40°C	80°C -40°C	Indoor 40°C 0°C	60°C -40°C	100℃ -40℃	60°C -40°C	60°C -40°C	
Same surface material labelstock series	KES -	PAT1,PAT1E		Indoor 60°C -40°C	Indoor 60°C -40°C	Indoor 60°C -40°C						Indoor 60°C -40°C		Indoor 60°C -40°C	Indoor 40°C -40°C		Indoor 60°C -40°C	
		P2041		60°C -40°C								60°C -40°C		60°C -40°C	60°C -40°C		60°C -40°C	
	KEA -	PAT1,PAT1E		Indoor 80°C -40°C	Indoor 80°C -40°C							Indoor 80°C -40°C		Indoor 60°C -40°C	Indoor 60°C -40°C		Indoor 60°C -40°C	
		P2041		Indoor 80°C -40°C								Indoor 80°C -40°C		Indoor 60°C -40°C	Indoor 60°C -40°C		Indoor 60°C -40°C	

Approved construction for printed label

UP





- *1 Aluminium includes die-cast aluminium and anodized aluminium
- *2 Approved only with 25 or 50 $\,\mu$ m thick facestock
- Materials suitable for application to two or more plastic surfaces are considered suitable for blends of those plastics, with Conditions of Acceptability common to the individual components in the blend.
- Ask Lintec for detail information about the certified inks and ribbons, and the detailed certification conditions.
- This does not constitute a guarantee or warranty of product performance. Customers must undertake thorough testing prior to usage.