GENERAL GUIDELINES FOR RICHLITE CANTILEVER AND SPANS

CANTILEVER SPAN

l=length (overhang)	d=thickness	F=Force#	y = max deflection	b=breadth (width of countertop) b=12"	b=18"	b=25"	b=30"	b=36"	b=42"	b=48"	b=60"
l=12"	d=.75"	F=100 lbs	y=	.070"	.047"	.033"	.028"	.023"	.020"	.017"	.014"
l=18"	d=.75"	F=150 lbs	y=	.356"	.244"	.171"	.142"	.118"	.101"	.089"	.071"
l=18"	d=1.0"	F=150 lbs	y=	.150"	.100"	.072"	.060"	.050"	.043"	.037"	.030"
l=18"	d=1.25"	F=150 lbs	y=	.076"	.050"	.037"	.030"	.025"	.022"	.019"	.015"
l=18"	d=1.5"	F=150 lbs	y=	.044"	.029"	.021"	.018"	.015"	.013"	.011"	.009"
l=24"	d=1.0"	F=150 lbs	y=	.356"	.244"	.171"	.142"	.118"	.101"	.089"	.071"
l=24"	d=1.25"	F=150 lbs	y=	.181"	.120"	.087"	.072"	.060"	.051"	.045"	.036"
l=24"	d=1.5"	F=150 lbs	y=	.105"	.070"	.050"	.042"	.035"	.030"	.026"	.021"

SIMPLE SPAN

l=length (the span)	d=thickness	F=Force#	y = max deflection	b=breadth (width of countertop) b=12"	b=18"	b=25"	b=30"	b=36"	b=42"	b=48"	b=60"
l=24"	d=.75"	F=100 lbs	y=	.035"	.023"	.017"	.014"	.012"	.010"	.008"	.007"
l=36"	d=1.0"	F=150 lbs	y=	.075"	.050"	.036"	.030"	.025"	.021"	.018"	.015"
l=36"	d=1.25"	F=150 lbs	y=	.038"	.025"	.018"	.015"	.012"	.010"	.009"	.007"
l=48"	d=1.5"	F=200 lbs	y=	.070"	.046"	.033"	.028"	.023"	.020"	.017"	.014"
l=48"	d=1.75"	F=200 lbs	y=	.044"	.029"	.021"	.017"	.014"	.012"	.011"	.008"

Most Acceptable
Acceptable
Unacceptable
Least Acceptable

IMPORTANT NOTE: Calculating spans and cantilever's incorporate numerous variables; including thickness of material, the length of the overhang, the breadth (or width of the countertop), and of course the abount of weight it needs to support. Because all these different variables and the fact that different areas of the country have different code regulations, it is important that the specifier appropriately calculate the specifications based off Richlite properties defined in the properties section.