



## Epoxy Bond 420 Technical Data Sheet

Epoxy Bond 420 is a slow curing epoxy adhesive with excellent bond strength to many difficult bonding surfaces. Its mixer friendly non-critical combining ratio make it a great choice for many applications requiring its unique set of physical properties as well as extended working time. This base system can be readily modified into a wide variety of coating, casting, and structural applications.

### PHYSICAL PROPERTIES

Mix ratio by weight		2:1
Viscosity	cps	21,400
Color		Amber
Pot life in a 100 gram mass	min	97
Peak exotherm 100 gram mass		minimal
Weight	lbs/gal	8.1
Heat deflection temperature	°F/°C	165/75
Tensile strength	psi	8,590
Tensile modulus	10 <sup>6</sup> psi	.38
Tensile elongation	%	3.7
Hardness 24 hours cure	shore D	83
Izod impact	ftlb/in	.606
Flexural strength	psi	12,760
Flexural modulus	10 <sup>6</sup> psi	.35
Compression strength	psi	33,010
Compression modulus	10 <sup>6</sup> psi	.28
Water weight gain 24 hours	%	.12
Water weight gain 168 hours	%	.46