



**ES-201-PC  
EPOXY SURFACE  
COAT  
ROOM TEMP  
THIXOTROPIC, WHITE**

**PRODUCT BULLETIN**



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**DESCRIPTION**

ES-201-PC EPOXY SURFACE COAT is a white tooling, thixotropic, room temperature setting two component system for the fabrication of engineering tools, jigs and fixtures. The handling properties exhibit easy mixing, excellent air release and no-sag for high quality reproduction and duplication for dimensionally stable tools. The cured surface is machinable, yet chip resistant. Use with ADTECH laminating systems EL-301, EL-302 PC, or EL-323 TC. **Typical applications include: masters, patterns, engineering tooling, models, keller models and checking and drill fixtures.**

**HANDLING CHARACTERISTICS @ 25°C/77°F**

Mix Ratio (parts by weight) .....	100R/14H
Mix Ratio (parts by volume) .....	5.9R/1H
Mixed Density .....	11 lbs/gallon
Mixed Density .....	0.047 lbs/inc
Specific Gravity .....	1.32 g/cc
Resin Viscosity .....	85,000 cps
Hardener Viscosity .....	5,500 cps
Mixed Viscosity .....	40,000-thixotropic cps
Work Life .....	15 minutes
Tack Free Time .....	90 minutes
Demold Time .....	8-10 hours
Resin Color .....	White
Hardener Color .....	Clear
Mixed Color .....	White
Shelf Life ES-201-PC Resin (in original unopened containers) .....	1 year
Shelf Life ES-201-PC Hardener (in original unopened containers) .....	2 years

**PHYSICAL PROPERTIES**

Ultimate Tensile Strength (ASTM D-638.91) .....	6,350 psi
Tensile Modulus (ASTM D-638.91) .....	706,000 psi
Tensile Elongation (ASTM D-638.91) .....	0.7856 psi
Ultimate Compressive Strength (ASTM D-695.91) .....	15,100 psi
Compressive Modulus (ASTM D-695.91) .....	302,200 psi
Ultimate Flexural Strength (ASTM D-790.92) .....	11,900 psi
Flexural Modulus (ASTM D-790.92) .....	713,600 psi
Heat Deflection Temperature @ 66 psi (ASTM D-648.82) .....	46°C/114°F
Heat Deflection Temperature @ 264 psi (ASTM D-648.82) .....	43.6°C/110°F
Notched Izod Impact Strength (ASTM D-256.93A) .....	4.64 in-lb/ft
Moisture Absorption (ASTM D-570.88) .....	0.180%
Hardness .....	85 Shore D
Shrinkage .....	0.0002 in/in

ES-201-PC Tech/Revised 8/24/09  
Supercedes 12/12/06

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