

Section 1: Description

While all our resins have a significant bio content (between 25 - 29%) our 2000 BIO kicks this up to 36% (24% mixed total). In doing this we have given our industry partners a new high-performance system with no loss in physicals or ease of use. This system answers some of the questions about industry standards concerning the ecological perimeters of modern epoxy resins and their use in today's world. Another advantage to this chemistry is the availability for use with both 2100 hardeners and Kwik Kick hardeners. This gives workers one resin that can take advantage of the best of both systems in a more convenient way.

Section 2: Advantages

- Very low color and good color stability
- Good chemical resistance
- High gloss
- Good resistance to amine blush
- Low viscosity
- Variable Toughness vs. Modulus

Section 3: Applications

- High-solids coatings
- Self-leveling and pebble finish flooring
- Chemically resistant tank linings
- Sports equipment

Section 4: Handling Precautions

Refer to the Safety Data Sheet

Section 5: Storage Life

At least 12 months from the date of manufacture in the original sealed container at ambient temperature. Store away from heat and excessive humidity in tightly closed containers.

Section 6: Typical Properties

Appearance Clear Liquid
Color (Gardner) 1
Viscosity @ 77 °F (cP) 399 - 600 mixed
Epoxide Equivalent Weight Resin 180
Specific Gravity @ 77 °F 1.15
Density @ 77 °F (lb/gal) 9.5
Flash Point (closed cup) (°F) NA
Recommended Hardener Use Level:
45 phr weight or 50 phr volume

Section 7: Typical Handling Properties

Use Level:
By Weight - 100 R to 45H
By Volume - 100 to 50 V
Mixed Viscosity @ 77 °F (cP) 1000 - 1500
Gel Time (150g mix @ 77 °F) (Min)
Fast 25; Slow 55; X-Slow 200
Thin Film Set Time @ 77 °F (hr)
Fast 3; Slow 5.5; X-Slow 18
Thin Film Set Time @ 50 °F (hr)
Fast 6; Slow 12; X-Slow 36
Peak Exotherm (100g mix @ 77 °F)
Fast 197F; Slow 190F; X-Slow 158F

Section 8: Typical Performance

Refer to Composite Pro web page www.resinresearch.net

Section 9: Typical Cure Schedules

2-7 days at ambient temperature