

Epoxy Gen 3

**Industrial Quality Waterborne Epoxy System
for Concrete, Engineered Cement, Gypsum & Wood Installations**

Cutting Edge Epoxy Technology

FloorTek Epoxy Gen 3 uses the innovative chemistry of third generation waterborne epoxy technology. This is more costly and difficult to formulate but results in exceptionally easy application and unrivaled results.

The Gen 3 system is a high performance project time saver. As a waterborne system, the substrate need not be totally dry. Epoxy Gen 3 can typically be applied 2 days after a standard concrete pour. The relatively short print free and cure times make access or second/top coatings fast and efficient. The 50% solids and build rate are ideal for high wear installations and acid etched, shot blast and/or profiled substrates. **Water submersible**, Epoxy Gen 3 can be used underwater and in other conditions of regular high water exposure.

Tensile Strength	typically 7000 psi
Elongation	Typically 90% at cure
Tabor Abrader	1000 g. CS 17, 1000 cycles typically 40 mg loss
Solids Content	50%
V.O.C. Content	97.5 g/L catalyzed
Dry Rate	walkable: 6 hrs typical light service: 12 hrs typical standard service: 24—48 hrs Full cure & protection: 3 days
Coverage	~250—400 sq ft/gal/coat (~4—7 WFT/coat)
DFT	~3.5 mils(~8 mils if 2 coats)
Chemical & Solvent Resistance	
Xylene	No Effect
Toluene	Slight softening/recovers
MEK	No Effect
Butoxy ethanol: 409	No Effect
Isopropyl alcohol	No Effect
1 N. sodium hydroxide	No Effect
30% ammonia	No Effect
Clorox	No Effect
1 N. Hydrochloric Acid	Temporary whitening, recovers
Engine Oil	No Effect
Brake Fluid	No Effect
Hand Sanitizers	No Effect

Exceptional results as a clear coat.

Used in home, lab, retail or commercial settings, FloorTek Epoxy Gen 3 is characterized by superb adhesion to a wide range of substrates and FloorTek primers, high solids onlay + DFT; outstanding abrasion resistance and rapid hardness/cure. With excellent UV resistance as compared to other epoxies, this coating holds its clarity for extended time and can be used outdoors. A FloorTek Epoxy Gen 3 surface is more impact resistant, and resists stains including grease spots far better than conventional epoxy onlays.

Color without compromise

Adding pigmentation to standard epoxies creates spaces in the resin matrix that can interfere with adhesion and strength. In the Epoxy Gen 3 system, color can be custom formulated with ATG Hi Disperse dyes to produce colored surfaces without compromise.

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