

Monster Tough Color Series

- Ideal for Firearms, Knife Blades, and similar uses
- Monster Tough coatings are a high-performance single component coating, ambient air or oven curable.
- Monster Tough coatings create a covalent bond to the substrate giving it an intrinsic bond to surfaces.
- Monster Tough coatings are extremely tough and heat and flame resistant.
- Monster Tough thin film coatings have excellent UV resistance and chemical & abrasion resistance.
- Monster Tough coatings are available in most standard industry colors & optional Wet-Grip and/or fine or medium textures for added grip and harsh conditions.

Properties	
Color	Standard Industry Colors
Viscosity	16.0 - 16.3 sec. #2 Zahn
Percent of Solids	46- 78 varies with product
Odor Liquid	Slight Solvent
Odor Cured	None
V.O.C.	Exempt per CFR 51.1 / regulation 8
RoHS	Compliant
Halogens	None
Thermal Stability, resin (cured)	2,000°F + (1,093.3°C) including direct flame
Conical Bond (1/4 inch mandrel)	Passed (ASTM D522-93a)*
Cross cut adhesion	5B (ASTM D3359)
Coefficient of Friction	0.05μ (ASTM D2047) *
Salt Fog Test	3500hrs (ASTM B117)*
Specific Gravity	0.9 (ASTM D891-09)
Pencil Hardness	9h+ (ASTM D3363)*

Average applied dry film thickness 5 to 25 microns (0.4 - 1 mil)

Estimated Coverage Rate (@ 0.75/15 micron) 1,200 sq./ft. per gallon

Dry to Touch (time @ambient) + Time Allowed Before Stenciling 15-25 minutes (average) (Exposing to a warmer air flow not exceeding 110°F will lessen "Dry to the Touch" time). Hang the Dry to Touch part in a warm 90-110F airflow (ex: in front of an electric heater) for 20 minutes. A higher bonding stencil will require a drier previous coating.

Ambient cure (full properties) 5 days (Ambient cure properties after 5 days)

Cure Time (time @350F) 30-40 minutes PMT (average)

Oven cure only after coating is dry to the touch

Low temp or ambient curing will produce higher performance properties than rapid oven curing, as the resin cross-linking will be stronger when the solvents slowly exit the coating.

Stencil Options Airbrushing (creating patterns of various colors with slightly fogged edges) or lightly swiping a second color with a cloth or brush to expose the base colors in various directions (ex: grass or leaf patterns with greens or winter/snow patterns with whites and greys).

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