



OFFICIAL 2026 WORKSHOP BENCHMARK

MASTER FLAKE SIZING & COVERAGE MATRIX

FINISH DENSITY • SPRAY GUN NOZZLES • NO-SCALE BENCH MIXING • 2K BURIAL PROTOCOL

DOCUMENT: FK-COV-2026-V1
SPEC: COMMERCIAL & OEM
REACH: CERTIFIED ART. 33



100% LIGHTFAST

18-Mo Miami Direct Sun



SOLVENT PROOF

MEK / 2K Clear Safe



WATER PROOF

Zero Dye Bleed / Migration



350°F / 177°C

Max Process Bake Temp

TABLE 01 PARTICLE CLASS VS. FINISH-DEPENDENT MIX RATIOS (PER 1,000 ML / 1 LITRE RTS CLEAR)

2K HS Clear (2:1)

1K Solvent Intercoat

FK50 Waterborne

LaunchPad™ Base

PARTICLE CLASS	MICRON / INCH	CALIBRATED FLUID TIP	LIGHT SCATTER	MEDIUM CUSTOM (STD)	HEAVY FLAKE-OUT	LAUNCHPAD™ BASE	DRY GUN DELIVERY
Dry Pearls / Micas	10–60 µm (< .002")	1.2 – 1.4 mm (Airbrush 0.3+)	10–15 g / L	20–30 g / L	40–50 g / L	15–25 g / L	Airbrush / Mini Gun
Micro Flake (.004")	100 µm (.004")	1.3 – 1.8 mm	20–30 g / L	40–60 g / L	70–90 g / L	30–40 g / L	Flake King 500 / 550
Mini Flake (.008") [INDUSTRY STD]	200 µm (.008")	1.8 – 2.5 mm	30–45 g / L	60–80 g / L	90–120 g / L	45–60 g / L	Flake King 550 / 1000
Standard Flake (.015")	400 µm (.015")	2.5 mm / Dry Recommended	40–60 g / L	75–100 g / L	120–150 g / L	60–75 g / L	Flake King 1000 / 1050
Bass Boat Flake (.025")	630 µm (.025")	2.5 – 3.5 mm / Dry Rec.	50–70 g / L	90–120 g / L	140–180 g / L	75–90 g / L	Flake King 1000 / 1050
Monster Cut (.040" & .060")	1000–1500 µm	3.5 mm+ Agitator / Dry Only	Dry Only	Dry Only	150–200 g / L	Dry Only	Flake King 1050 (Dry Only)



NO-SCALE BENCH MIXING GUIDE (JAR-TO-LIQUID CONVERSIONS)

30g JAR

1 Standard Gun Cup (500 mL RTS): Mix 1 full jar into 500 mL RTS clear (or 250ml LaunchPad + 250ml reducer). Yields 100% opaque show coverage over **1 motorcycle tank or 2 helmets**.

100g JAR

1 Full Litre (1,000 mL RTS) — Shop Golden Ratio: Dump 1 full 100g jar into 1 Litre RTS clear. Delivers intense, deep show saturation across **complete motorcycle tins or automotive panels**.

1kg TUB

Commercial & Fleet (8–10 Litres RTS): Heavy show slurry for complete vehicle resprays, marine hulls, commercial transport, and theme park fabrication.



CLEARCOAT BURIAL & SURFACE LEVELING SCHEDULE

STEP 1

Lock Coat: Apply 1 medium coat of neat clear/binder (no flake) over settled flake to freeze particle alignment and prevent edge lift.

STEP 2

Burial Build: Apply 2 to 3 full wet coats of high-solids 2K urethane clear. Allow recommended flash times between passes.

STEP 3

Flat Block: Cure overnight (or IR bake). Wet block flat with P600–P800 grit on a firm block to knock down crowns without piercing foil.

STEP 4

Flow Coat: Apply 2 final unreduced wet coats of 2K clear for deep, optical glass depth and permanent UV protection.