



FINISHES

(Listed below are mostly used finishes and materials for Topy Spring Steel Fasteners.)

CODE	DESCRIPTION	COLOR	ADVANTAGES	SALT SPRAY TEST (REF.)
PC PHOSPHATE AND OIL	PHOSPHATE AND OIL THEN DIPPED IN A SPECIAL OIL AND SPUN DRY.	BLACK	COST EFFECTIVE FINISH. POPULAR FOR SPRING STEEL FASTENERS. MODERATE CORROSION RESISTANCE.	36 HOURS
ZM (ZB) ELECTRO ZINC PLATE WITH CLEAR CHROMATE	ZINC ELECTROPLATED AND BAKED TO REDUCE HYDROGEN EMBRITTLEMENT. (ZB) IS FOR NON-HEAT TREATED PARTS WHICH REQUIRE NO BAKING.	SILVER	GOOD APPEARANCE AND MODERATE CORROSION RESISTANCE.	40 HOURS
ZMC (ZC) ELECTRO ZINC PLATE WITH THDICHROMATE	ZINC ELECTROPLATED AND BAKED TO REDUCE HYDROGEN EMBRITTLEMENT. (ZC) IS FOR NON-HEAT TREATED PARTS SLIGHTLY WHICH REQUIRE NO BAKING.	YELLOW	GOOD APPEARANCE AND MODERATE CORROSION RESISTANCE. SLIGHTLY BETTER RESISTANCE SLIGHTLY BETTER RESISTANCE FEATURE THAN ZM (ZB).	40 HOURS
ZMK (ZK) ELECTRO ZINC PLATE WITH BLACK CHROMATE	ZINC ELECTROPLATED AND BAKED TO REDUCE HYDROGEN EMBRITTLEMENT. (ZK) IS FOR NON-HEAT TREATED PARTS WHICH REQUIRE NO BAKING.	BLACK	GOOD APPEARANCE AND GOOD CORROSION RESISTANCE.	72 HOURS
DC DACROMAT COATING	TWO DACROMAT COATS OF ZINC MICROFLAKES EACH COAT IS PROPERLY BAKED TO OBTAIN MAXIMUM PROTECTION. NON ORGANIC COATING.	GREY METALLIC	EXCELLENT CORROSION RESISTANCE. DOES NOT CAUSE HYDROGEN EMBRITTLEMENT.	240-500 HOURS
DG DEGREASE	RINSED AFTER DEGREASING THEN DRIED. USED MAINLY ON STAINLESS STEEL PARTS.	ORIGINAL MATERIAL	REDUCES CONTAMINATION OF PARTS.	N/A
OD OIL DIP	SPECIAL OIL DIPPED AND SPUN DRY	ORIGINAL MATERIAL	PROVIDES TEMPORARY RUST PREVENTION UNTIL PARTS ARE USED IN A CLOSED ASSEMBLY OR A PROTECTIVE FINISH IS APPLIED.	N/A
TEM TEMPER COLOR	PART SURFACE OXIDIZED AFTER HEAT TREATING OR STRESS RELIEVING PROCESS.	BLUE	PROVIDES TEMPORARY RUST PROTECTION. PARTS SHOULD BE USED IN CLOSED ASSEMBLY.	N/A
REF BLACK OXIDE AND OIL	BLACK OXIDE COATED THEN DIPPED IN A SPECIAL OIL AND SPUN DRY.	BLACK	DOES NOT INCREASE THICKNESS OF PART. PROVIDES TEMPORARY RUST PROTECTION.	N/A
PT 18 ELECTRO DEPOSIT COAT	PHOSPHATE COATED AND ELECTRO DEPOSIT COATED THEN BAKED TO DRY PAINT.	BLACK	GOOD COSMETIC APPEARANCE. EXCELLENT CORROSION RESISTANCE.	4-80 HOURS