

TECHNICAL DATA

**TS-5 SERIES/PH-62
HIGH SOLIDS, PTFE FILLED,
ABRASION RESISTANT POLYURETHANE SEMI-GLOSS TOPCOAT**

June 2010

PRODUCT DESCRIPTION:

These polyurethane coatings are designed for use in areas where abrasion resistances combined with a low co-efficient of friction are required. Typical uses include leading and trailing flaps, rub areas where the horizontal stabilizer meets the vertical stabilizer, belly areas on aircraft regularly flown into gravel or coral runways, and pontoons for floats on small aircraft. These coatings have excellent color stability, smoothness, hydraulic fluid resistance, fuel resistance, water resistance and extreme toughness to chipping, marring or erosion.

MEETS OR EXCEEDS THE PERFORMANCE REQUIREMENTS OF SPECIFICATION:

Bombardier BAMS 565-005, Type III / Boeing BMS 10-86, Type I, Grade D / and Boeing DPM 5066

SURFACE PREPARATION:

Surfaces to be painted should be cleaned to remove all fuel, lubricant and hydraulic fluid residues with an appropriate alkaline cleaner. If the areas to be coated have any uneven surfaces due to the remaining finish, the surfaces should be sanded to a smooth finish. If metal areas are exposed, a corrosion inhibiting epoxy primer such as EP-2-Y1 should be applied prior to top coating.

MIXING / APPLICATION:

Shake or mix each base container well before mixing with the hardener component. Ratio is three parts base to one part hardener by volume. Mix in hardener, PH-62, well to insure complete mix. Spray apply in 2-3 wet uniform cross coats to a total dry film thickness of 3-5 mils. Generally, HVLP guns are the recommended spray equipment. The coatings have a pot life of 2 hours. They will dry through in 16 hours and achieve full properties in 7 days at room temperature. Commonly these coatings are put in service within 8 - 12 hours where they are used for spot touch up or repair.

PHYSICAL PROPERTIES:

Appearance:	Semi-gloss, various colors
Gloss:	20 minimum @ 60°
Abrasion Resistance:	< 100 mg weight loss using Taber CS-10 wheel for 12,000 cycles
Admixed Solids by Weight:	60-62% theoretical, depending on color
Admixed Solids by Volume:	47-48% theoretical, depending on color
Coverage:	152-160 sq. ft/gallon @ 100% 5 mils dry
Dry Time @24 ±3°C:	2 hours dust free; tack free in 6 hours
Shelf Life:	2 years from date of manufacture
Storage Temperature:	40 - 95° F (4 - 35° C)
Induction Time:	15 minutes

PRECAUTIONS:

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Use with adequate ventilation and proper respiratory protection. See MSDS for complete details of composition and required precautions for safe use.