

**STC SYSTEM COMPARISONS 2022**

**WHAT'S THE DIFFERENCE BETWEEN...?**

TYPE SYSTEM	CECONITE STC		POLY-FIBER/STITS STC	SUPERFLITE I STC	SUPERFLITE VII STC	AIR TECH STC	STEWART SYSTEMS
	RANDOLPH NITRATE/BUTYRATE DOPE OVER HEAT SHRUNK POLYESTER FABRIC	STAR GLOSS COATINGS OVER HEAT SHRUNK POLYESTER FABRIC	STITS VINYL COATINGS OVER HEAT SHRUNK POLYESTER FABRIC	NITRATE/BUTYRATE DOPE OVER HEAT SHRUNK POLYESTER FABRIC	POLYURETHANE COATINGS OVER HEAT SHRUNK POLYESTER FABRIC	POLYURETHANE COATINGS OVER HEAT SHRUNK POLYESTER FABRIC	WATERBORNE COATINGS OVER HEAT SHRUNK POLYESTER FABRIC
APPROVED STC	CECONITE SA 4503NM	CECONITE SA 4503NM	POLY-FIBER SA1008WE	Numerous - Aircraft dependent	Numerous - Aircraft dependent	AIR TECH SA7965SW	STEWART SYSTEMS SA 01734SE
AUTHORIZED FABRICS	CECONITE 101, 102, UNCERTIFIED LIGHT	CECONITE 101, 102, UNCERTIFIED LIGHT	POLY-FIBER HEAVY DUTY, MEDIUM, UNCERTIFIED LIGHT	SUPERFLITE SF-102	SUPERFLITE SF-102	ANY TSO-C-15 POLYESTER FABRIC	ANY TSO-C-15 POLYESTER FABRIC
AUTHORIZED FABRIC CEMENT	NEW SUPER SEAM	STAR-TAK	POLY-TAK	SUPERBOND	SUPERFLITE U-500	AIR TECH UA 55	EKOBOND CEMENT
AUTHORIZED COATINGS UP TO COLOR	3 COATS OF RANDOLPH NITRATE, 7 COATS OF RANDOLPH BUTYRATE DOPE	1 COAT OF GRAY SEALER 2 COATS SILVER URETHANE FABRIC PRIMER	3 COATS POLY-BRUSH 3 COATS POLY-SPRAY	2 COATS DACPROOFER NITRATE 3-4 COATS SPRAFILL BUTYRATE	3 COATS SUPERFLITE SF-7500 PRIMER	3 COATS AIR TECH PFU 1010 PRIMER	6 COATS EKOFILL UV BLOCK & FILLER
AUTHORIZED COLOR COATS	RANDOLPH BUTYRATE DOPE (ONLY) or RANTHANE HS POLYURETHANE (ONLY)	RANDOLPH RANTHANE HS POLYURETHANE (ONLY)	POLY-TONE (VINYL) (ONLY) or AERO-THANE (POLYURETHANE) or RANDOLPH RANTHANE	4-6 COATS SUPERFLITE PIGMENTED BUTYRATE DOPE	SUPERFLITE SUPERTHANE	AIR TECH POLYURETHANE	5 COATS EKOPOLY 2 PART
AUTHORIZED TAPES, THREAD, RIB LACE CORD	CECONITE	CECONITE	POLY-FIBER	SUPERFLITE	SUPERFLITE	AIR TECH	ANY TSO-C-15
SHRINKING TEMPERATURE	250 DEGREES MAX ON CALIBRATED IRON	250 INITIAL THEN 350 DEGREES MAX ON CALIBRATED IRON	250 INITIAL THEN 350 DEGREES MAX ON CALIBRATED IRON	250 DEGREES MAX ON CALIBRATED IRON	350 MAX DEGREES ON CALIBRATED IRON	375 MAX DEGREES ON CALIBRATED IRON	350 MAX DEGREES ON CALIBRATED IRON
WIDTH OF GLUED FABRIC SEAMS	LEADING EDGE 2" TRAILING EDGE 1" ALL OTHERS 1"	LEADING EDGE 2" TRAILING EDGE 1" ALL OTHERS 1"	LEADING EDGE 2" TRAILING EDGE 1" ALL OTHERS 1"	LEADING EDGE 4" TRAINING EDGE 2" ALL OTHERS 2"	LEADING EDGE 4" TRAILING EDGE 2" ALL OTHERS 2"	LEADING EDGE 4" TRAILING EDGE 2" ALL OTHERS 2"	LEADING EDGE 3" TRAILING EDGE 2" ALL OTHERS 1"
FLAMMABILITY	FLAMMABLE WHEN WET OR DRY	WILL NOT SUPPORT COMBUSTION WHEN DRY	WILL NOT SUPPORT COMBUSTION WHEN DRY	FLAMMABLE WHEN WET OR DRY	BURNS WITH ACRID SMOKE	WILL NOT SUPPORT COMBUSTION WHEN DRY	WILL NOT SUPPORT COMBUSTION WHEN DRY
GLOSS	RANDOLPH BUTYRATE - SEMI-GLOSS FINISH RANDOLPH RANTHANE - HIGH GLOSS FINISH	RANDOLPH RANTHANE - HIGH GLOSS FINISH	POLY-TONE - SEMI-GLOSS FINISH AERO-THANE - HIGH GLOSS RANDOLPH RANTHANE - HIGH GLOSS	SEMI-GLOSS	HIGH GLOSS	HIGH GLOSS	HIGH GLOSS
REPAIRABILITY	RANDOLPH DOPE - BUTYRATE THINNER & GLUE RANDOLPH RANTHANE - SCUFF SAND & GLUE	RANDOLPH RANTHANE - SCUFF SAND & GLUE	POLY-TONE - MEK & GLUE AERO-THANE - SCUFF SAND & GLUE RANDOLPH RANTHANE - SCUFF SAND & GLUE	BUTYRATE THINNER & GLUE	SCUFF SAND & GLUE	SCUFF SAND & GLUE	SCUFF SAND & GLUE
REJUVENATE?	RANDOLPH DOPE - YES RANDOLPH RANTHANE - NO	RANDOLPH RANTHANE - NO	POLY-TONE - YES AERO-THANE - NO RANDOLPH RANTHANE - NO	YES	NO	NO	NO
CHEMICAL RESISTANCE	RANDOLPH DOPE - NO RANDOLPH RANTHANE - YES	RANDOLPH RANTHANE - YES	POLY-TONE - NO AERO-THANE - YES	NO	YES	YES	YES
AVGAS RESISTANCE	RANDOLPH DOPE - YES, BUT DON'T SOAK RANDOLPH RANTHANE - YES	RANDOLPH RANTHANE - YES	POLY-TONE - YES, BUT DON'T SOAK AERO-THANE - YES RANDOLPH RANTHANE - YES	YES, BUT DON'T SOAK	YES	YES	YES
TOXICITY	RANDOLPH DOPE - USE CHARCOAL RESPIRATOR RANDOLPH RANTHANE - MIST IS TOXIC TO BREATHE; FRESH AIR RESPIRATOR MANDATORY	SILVER URETHANE FABRIC PRIMER AND RANDOLPH RANTHANE - MIST IS TOXIC TO BREATHE; FRESH AIR RESPIRATOR MANDATORY	POLY-TONE - USE CHARCOAL RESPIRATOR AERO-THANE and RANDOLPH RANTHANE - MIST IS TOXIC TO BREATHE; FRESH AIR RESPIRATOR MANDATORY	USE CHARCOAL RESPIRATOR	POLYURETHANE - MIST IS TOXIC TO BREATHE; FRESH AIR RESPIRATOR MANDATORY	POLYURETHANE - MIST IS TOXIC TO BREATHE; FRESH AIR RESPIRATOR MANDATORY	FRESH AIR RESPIRATOR ADVISED
COMBINED WEIGHT: FABRIC & COATINGS OF A J-3 CUB**	60 POUNDS	65 POUNDS	60 POUNDS	UNKNOWN	102 POUNDS	88 POUNDS	UNREPORTED

\*\*Note: Weight and burn data courtesy of an independent study by Daryl Hammond, PhD.