

INDUSTRIAL AND COMMERCIAL COATING SYSTEMS

The **Starathane™**, **Starcron™** and **Starpoxy™** products provide you with the best coatings available. First impressions reflect the quality you build into your products.

STARATHANE™ 560 / 590

A two component acrylic aliphatic polyurethane, providing hardness, flexibility and good chemical resistance. Exceptional colour and gloss retention produces outstanding 5-10 year exterior/interior durability. **Starathane™ 590**, a brush/roll formulation, has 19% higher solids with exceptional levelling characteristics and easily builds to 1½ - 2 mils DFT in 2 coats. Other properties are similar.

STARCRON™ 580

A two component isocyanate free acrylic providing excellent colour and gloss retention. Fast drying with 24 hour pot life saving time and money. Great dry fall characteristics for outdoor applications with adjacent overspray concerns. Outstanding 4-8 year exterior/interior durability.

STARPOXY™ 430/480

A two component polyamide curing high build epoxy providing excellent protection from harsh chemicals, abrasion and moisture. User friendly high build spray properties easily accommodate single application film builds ranging from 1.0 mil to a high of 10 mil DFT without sagging. Also available in regular build. Long pot life of 10 hours results in higher productivity and less wastage. For indoor use only.

STARATHANE™ 550 (High Solids)

A High Solids (VOC compliant) two-component acrylic aliphatic polyurethane with improved qualities over 560, namely 36 hours for full cure, exceptional depth of image on high gloss formulations and outstanding levelling and ease of application characteristics.

STARCRON™ 530 (High Solids)

A High Solids (VOC compliant) two-component isocyanate free acrylic with improved qualities over 580, namely significant depth of image on high gloss formulations and much higher film build capabilities. The fast dry, flow and levelling characteristics readily facilitate a 2-coat application exceeding 2.0 mils DFT (dry film thickness), thus improving the protection, durability and hide properties over traditional 2K ISO free coatings.

STARPOXY™ 490 (High Solids)

This revolutionary High Solids (90-99% by vol.) Siliconized Epoxy coating combines the adhesion and corrosion/chemical resistant properties of an epoxy primer with the exterior durability and appearances of an acrylic topcoat. The resulting long-term protection is suited to a variety of high performance applications including bridges, tanks, rail cars, structural steel and concrete, etc. Ease of application includes excellent levelling characteristics and fast film build.

TOUCH-UP AEROSOL SPRAY CANS (13 OZ.)

Available in indoor (alkyd) or outdoor (acrylic) 1K formulations. Colour / gloss matched as required. Ideal for customer touch-up after product shipment and installation.

Providing Outstanding Finish and Durability to Your Products.

Product Characteristics

2 COMPONENT TOPCOATS SOLVENT BASED

Product Series	Approx. % Solids By Volume Mixed	Catalyst	Mix Ratio	VOC lbs/USG	Pot Life	Induction Period	Dry To Touch	Dry Through	Recoat Window	Theoretical sq. ft. coverage 1.0 mil DFT	Substrate
Starthane™ 560	48	560C5392	2 to 1	3.93	4-6 hrs.	NONE	< 1 hr.	2-3 hrs.	< 36 hrs.	790	123456
Starthane™ 590	57	590C5815BR	3 to 1	3.6-3.8	4-6 hrs.	NONE	< 1 hr.	3-4 hrs.	< 36 hrs.	915	123456
Starthane™ 550	55-60	550C7469	4 to 1	3.20	1½-2 hrs.	NONE	< 1 hr.	2-4 hrs.	< 36 hrs.	930	123456
Starcron™ 580	36	580C0593	1 to 1	5.46	> 24 hrs.	NONE	< 30 min	< 1 hr.	none	575	12346
Starcron™ 530	45	530C7291	2 to 1	3.50	> 24 hrs.	NONE	20-30 min	2 hrs.	none	720	12346
Starpoxy™ 430	35	430C0035	1 to 1	4.60	10 hrs.	15-30 min	< 30 min	< 2 hrs.	< 48 hrs.	560	1234
Starpoxy™ 480 (430 Base)	37	480C2808HB*	1 to 1	4.60	10 hrs.	15-30 min	< 30 min	< 2 hrs.	< 48 hrs.	595	1234
Starpoxy™ 490	90-99.9	490C7745	4 to 1	0.1+	4.5 hrs.	NONE	4 hrs.	8 hrs.	6-48 hrs.	1600	12345

* Note: HB Catalyst will lower gloss.

Full Cure: 7-14 days.

Shelf Life: Unopened 12 months.

Recoat Window: Outside of recoat window, adhesion may be compromised. Consult Tristar.

All characteristics quoted are average rule of thumb test results, based on 25°C ambient application/dry temperatures, at 50% RH, with typical spray booth air flow.

Starpoxy™ Reducers (Excluding Starpoxy™ 490)	Starthane™ Reducers (For Starpoxy™ 490, use SB52 only)	Starcron™ Reducers
SB42 - Slow	SB51 - Slow	SB59 - Slow
SB43 - Medium	SB52 - Medium	SB58 - Med/Slow
SB48 - Fast	SB50 - Fast	SB57 - Med/Fast

Note: For brush/roll applications, use slow reducer only.

Sq. Ft. Coverage per US Gallon

To determine estimated volumes required multiply theoretical sq. ft. coverage (as above) by transfer efficiency of spray equipment divided by D.F.T. Topcoat application generally recommended as 2 coats totaling 1.5 to 2.5 mil D.F.T.

Typical Transfer Efficiency of Equipment

Conventional	Air Assisted	Airless	HVLP	Electrostatic	Brush Roller
20-30%	50-70%	50-60%	40-60%	60-80%	95% plus

Substrate	Code
Aluminum	1
Steel	2
Most composites	3
Fiberglass	4
Concrete	5
Most Vynyls	6
Wood	7
Drywall	8

Product Code Reference	
4th digit	last digit(s)
A - additive blends	AG - anti-graffiti
C - catalyst	BR - brush/roll
H - high gloss	HB - high build
S - semi gloss	R - reduced
L - low gloss	T - textured
M - metallic	TB - tint base
P - primer	U - uniconat

Formulations can be adjusted at the factory to facilitate performance and or productivity gains for specific applications. Pot life, dry times, adhesion properties, hiding, etc. can all be reformulated. Tristar is committed to field support.

CUSTOM PAINT SOLUTIONS THAT LAST!