



Brampton, Ontario 1-800-975-5568
www.tristarcoatings.com

WATERBORNE PRODUCTS

INDUSTRIAL AND COMMERCIAL COATING SYSTEMS

The **Proteus™** products provide you with enhanced performance including ease of application over 2K solvent systems together with the unique waterborne advantages of VOC compliance, low odour during application, unrestricted non-flammable application environment and safe, easy clean up.

Proteus™ 770 Polyurethane Topcoat (1K)

A polyurethane dispersion formulated specifically for applications where fast drying and quick film property development are required. Also boasts highly superior performance against 1K competitive products in terms of adhesion, including direct to metal, hardness, corrosion and UV resistance, as well as solvent and chemical resistance.

As a safe, non flammable, environmentally compliant water based product, its durability and performance make it an ideal replacement for many industrial solvent based products.

Proteus™ 910 Anti Skid Floor Coating (2K)

A two component waterborne epoxy anti-skid (textured) floor coating providing exceptional chemical and moisture resistance. Highly consistent texture projecting a first class appearance. Can be recoated within 2 to 3 hours for same day completion. Fast set up time allowing for light traffic within 8 hours. Low odour, eliminating staff/customer complaints. Higher solids allows for excellent film build characteristics. For indoor use only on concrete, metal and fiberglass. Excellent adhesion to concrete but acid etch is recommended. **Also available without anti-skid texture.**

Proteus™ 940 Polyurethane Topcoat (2K)

A two component waterborne polyurethane coating providing excellent hardness and flexibility with exceptional chemical and abrasion resistance. Exceptional resistance to dirt build up thereby providing a brilliant finish year after year. The anti-graffiti formulation prevents contaminants from penetrating the film surface, and will shed airborne dirt better and longer than any other product. Graffiti can readily be removed with an appropriate solvent without leaving a residual stain. Can be recoated within 1 to 2 hours for same day job completion. Proteus™ 940 is the ultimate coating for exterior durability on metal, concrete and composites. Exceptional colour and gloss retention for 6 to 10 years. Flame retardant formulation available. Suitable for spray or brush/roll applications.

Proteus™ 960 Epoxy Topcoat (2K)

A two component waterborne epoxy topcoat providing exceptional chemical and moisture resistance with superior adhesion, excellent flexibility and abrasion resistance. Graffiti can be readily removed with an appropriate solvent generally without leaving a residual stain. Non offensive odour. Proteus™ 960 provides a ceramic like finish ideal for abusive indoor commercial or industrial requirements. Spray or brush/roll formulation must be specified at time of order.

Providing Outstanding
Finish and Durability
to Your Products.

Product Characteristics

WATERBORNE PRODUCTS

Product Series	Approx. % Solids By Volume Mixed	Catalyst	Mix Ratio	VOC lbs/USG	Pot Life	Induction Period	Dry To Touch	Dry Through	Recoat Window	Approximate sq. ft. coverage/US gal. mixed	Substrate
Proteus™ 770 (1K)	34	N/A	N/A	0.50	N/A	N/A	15 min	1 hr.	< 48 hrs.	550 @ 1 mil DFT Theoretical	1234
Proteus™ 910 (2K) (Textured)	53.3	910C5765	1 to 1	0.38	2 hrs.	N/A	1-2 hrs.	8 hrs.	< 12 hrs.	500-550 @ 5 mils DFT (incl. Texture Peaks) per coat	12345
Proteus™ 910 (2K) (Non Textured)	53.3	910C5765	1 to 1	0.38	2 hrs.	N/A	1-2 hrs.	8 hrs.	< 12 hrs.	250-320 @ 3 mils DFT per coat	12345
Proteus™ 940 (2K)	45-55	940C6153AG	2 to 1 and 3 to 1	0.95	4-6 hrs.	30 min	0.5-2 hrs.	7 hrs.	< 24 hrs.	800 @ 1 mil DFT Theoretical	12345
Proteus™ 960 (2K)	45-55	960C6172	3 to 1	0.88	5 hrs.	N/A	20 min	4 hrs.	< 12 hrs.	800 @ 1 mil DFT Theoretical	123458

Full Cure: 7-14 days.

Shelf Life: Unopened 12 months.

Reduction: Use Tap Water

Dry Times: Strongly influenced by air flow and humidity.

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.

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

Proteus™ 940 (2K)

Mix ratio: 2:1 or 3:1 depending on colour. Proteus™ 940 base is combined with 940C6153AG catalyst to give exceptional anti graffiti properties.

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 - unicoat

Sq. Ft. Coverage per US Gallon

Unless shown as "Theoretical", the coverages and mil thicknesses as shown above are based on single coat brush/roll experience on sealed surfaces. Both will vary with conditions. Although full hide may be achieved with 1 coat, 2 thinner coats are generally recommended. To determine estimated volumes required from theoretical values, multiply theoretical sq. ft. coverage by transfer efficiency of spray equipment divided by D.F.T. For 940 & 960 Proteus™ spray applications total D.F.T. of 1.5 to 1.7 mil provides excellent protection. Brush and roll applications generally result in higher film build.

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

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!