

TALON™ CORROSION DEFENSE SYSTEMS

PROTECTIVE FILM FOR BRIDGE DECKING, CULVERTS AND RETENTION SYSTEMS

PROVEN TECHNOLOGY

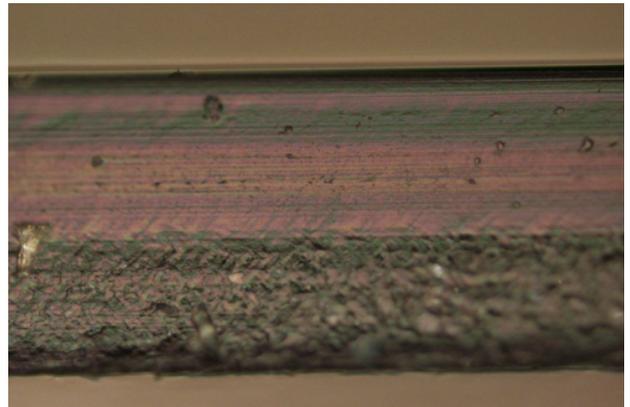
Tee Group Films has taken its proven adhesive formulation and coupled it with co-extrusion technology to create a highly durable film product that provides unsurpassed chemical bonding and resistance to weathering, chemicals and abrasion.

INDUSTRY STANDARDS

TALON film meets the rigorous testing required by ASTM A742 and AASHTO M246.

Standard specification for steel sheet, metallic coated and polymer pre-coated for corrugated steel pipe [partial list of various testing results]:

- Adhesion of polymer
- Impact resistance
- Holidays/pin holes
- Abrasion resistance
- Imperviousness
- Freeze/thaw
- Weatherability/UV
- Microbial attack

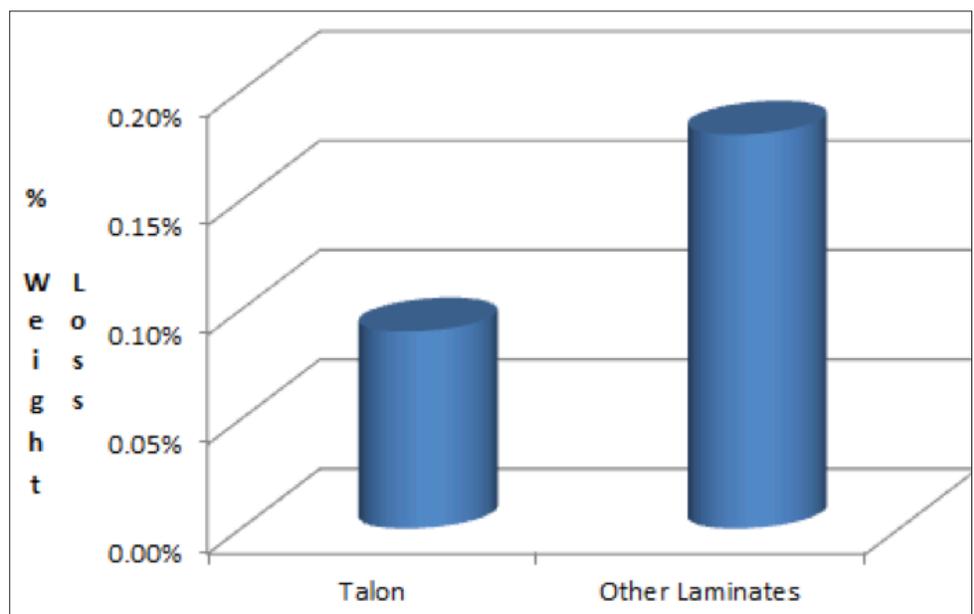


Cross sectional view of TALON under a microscope, 20x magnification, showing multiple film layers.

PHYSICAL PROPERTIES

Abrasion: ASTM D4060, test method for abrasion resistance of organic coatings by the Taber Abraser.

TALON is made with highly abrasion resistant plastics.



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CHEMICAL PROPERTIES

Chemical Resistance: ASTM D1308, effect of household chemicals on clear and pigmented organic finishes.

ACIDS		Result
10% Hydrochloric	HCl	No Degradation
10% Nitric	HNO ₃	No Degradation
30% Sulfuric	H ₂ SO ₄	No Degradation

BASES		Result
10% Ammonium Hydroxide	NH ₄ OH	No Degradation
10% Sodium Hydroxide	NaOH	No Degradation

Exposed to polymer surface for 75 days at 73°F (23°C). Testing performed by Advanced Materials Center.

Chemical Resistance: ISO 175, test for the determination of the effects of immersion in liquid chemicals.

CHEMICAL		Results
10% Salt Solution	NaCl	No Degradation
Chloroform	CHCl ₃	No Degradation
Dimethylsulfoxide (DMSO)	(CH ₃) ₂ SO	No Degradation
Methylene Chloride	CH ₂ Cl ₂	No Degradation
Tetrahydrofuron (THF)	C ₄ H ₈ O	No Degradation

Exposed to polymer surface for 75 days at 73°F (23°C). Testing performed by Advanced Materials Center.

