

Outdoor Durability for Stainless Steel & Tanker Applications

Instructional Bulletin #6.80 (Revision 2)

Dated: 07/01/19

1.0 Scope

This bulletin describes the durability expectations for graphics applied to Stainless Steel Trailer, Stainless Steel Tanker, Aluminum Tanker, and Painted Tanker graphic applications. These applications are typically subjected to frequent cleanings, often with caustic or acidic cleaners that can dissolve adhesives and/or affect the vinyl and inks over time. In addition, the “cylindrical” tanker trailers have areas where a large portion of the applied graphic see harsher (less than vertical) exposure. These factors can cause vinyl graphics to degrade prematurely. For all Stainless Steel Trailer, Stainless Steel Tanker, Aluminum Tanker and Painted Tanker applications the durability in years is shown below. The durability shown below takes precedence over any other document information.

2.0 Stainless Steel Trailer Applications:

Material	Zone 1	Zone 2	Zone 3
Cut Vinyl - Unprinted			
SC900 Opaques	4	3	2
SC950 Opaques	4	3	2
HP700 Opaques	2	1	1
HP750 Opaques	2	1	1
V4000 LTR	4	3	2
Screen Printed			
SC900 Opaques	4	3	2
HP700 Opaques	2	1	1
V4000 LTR	4	3	2
Digitally Printed			
MPI 1000 Series	4	3	2
MPI 2105, 2120	2	1	1
V4000 LTR	4	3	2

NOTE:

- See [Instructional Bulletin 1.30, Warranty of Avery Dennison Films](#), for Zone Charts
- The use of an edge sealer is required to provide ultimate protection against graphics failure.
- Recommended inks, clear coats or laminates must be used for printed graphics as shown in the [ICS Performance Guarantee](#).
- Rear printed graphics must be protected with recommended laminate as shown in the [ICS Performance Guarantee](#).
- Vertical exposure only.
- Only the V4000 with LTR Reflective Products recommended for stainless steel applications.

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3.0 Stainless Steel Tanker Applications:

Material	Zone 1	Zone 2	Zone 3
Cut Vinyl - Unprinted			
SC900 Opaques	3	2	1
SC950 Opaques	3	2	1
HP700 Opaques	1	1	1
HP750 Opaques	1	1	1
V4000 LTR	3	2	1
Screen Printed			
SC900 Opaques	3	2	1
HP700 Opaques	1	1	1
V4000 LTR	3	2	1
Digitally Printed			
MPI 1000 Series	3	2	1
MPI 2105, 2120	1	1	1
V4000 LTR	3	2	1

NOTE:

- See [Instructional Bulletin 1.30 Warranty of Avery Dennison Films](#), for Zone Charts
- The use of an edge sealer is required to provide ultimate protection against graphics failure.
- Recommended inks, clear coats or laminates must be used for printed graphics as shown in the [ICS Performance Guarantee](#).
- Rear printed graphics must be protected with recommended laminate as shown in the [ICS Performance Guarantee](#).
- Only the V4000 with LTR Reflective Products recommended for stainless steel applications.

4.0 Aluminum, or Painted Tanker applications:

Material	Zone 1	Zone 2	Zone 3
Cut Vinyl - Unprinted			
SC900 Opaques	3	2	1
SC950 Opaques	3	2	1
HP700 Opaques	2	1	1
HP750 Opaques	2	1	1
V4000 LTR	3	2	1
Screen Printed			
SC900 Opaques	3	2	1
HP700 Opaques	2	1	1
V4000 LTR	3	2	1
Digitally Printed			
MPI 1000 Series	3	2	1
MPI 2105, 2120	2	1	1
V4000 LTR	3	2	1

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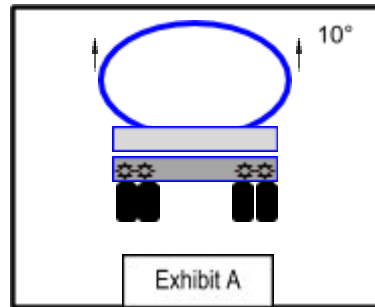


NOTE:

- See [Instructional Bulletin 1.30 Warranty of Avery Dennison Films](#), for Zone Charts
- The use of an edge sealer is required to provide ultimate protection against graphics failure.
- Recommended inks, clear coats or laminates must be used for printed graphics as shown in the [ICS Performance Guarantee](#).
- Rear printed graphics must be protected with recommended laminate as shown in the [ICS Performance Guarantee](#).

5.0 Tanker Durability

Any graphic applied above the 10° mark as shown in Exhibit A, will have no expectation of durability. This exposure angle is the same as “Vertical” as shown in [Instructional Bulletin 1.30 Warranty of Avery Dennison Films](#).



6.0 Approved Screen & Digital Inks for Printed Graphics:

- The approved printer/ink combinations can be found in the [ICS Performance Guarantee](#) documents.
- Contact your Avery Dennison Sales or Technical Representative for additional information

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