3M Science. Applied to Life.™

Safer roads for a safer future

Case studies

3M™ Stamark™ Pavement Markings

A380 field performance data – USA

3rd party data helps substantiate 3M™ Stamark™ permanent marking tape A380 durability value proposition.

Locations 26 roads in 8 States

States

- Georgia
- Alabama
- Pennsylvania
- Wisconsin
- Arizona
- Arkansas
- Minnesota
- Idaho

Characteristics of road locations

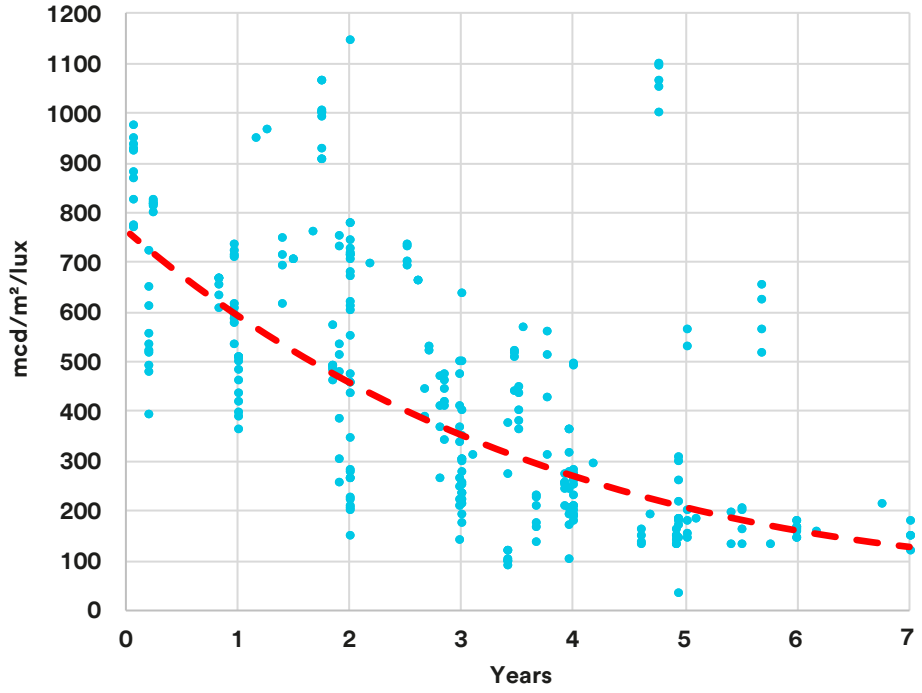
Materials:
A380I ES and A380AW

Measurement methodology:
External Data collected by Beck Engineering with Vehicle Mounted LTL Mobile Retroreflectometer

Site information

- Expressway
- Lane AADT range: 4,000 to 26,000
- Skip line, right edge lines
- Concrete and asphalt

Average retroreflectivity after 7 years



Sources: Dataset maintained by 3M TSD Pavement Marking Lab and Marketing Teams

Note: Many factors influence field performance, always consult 3M Application Engineers (AE) for guidance.

A380I ES compared to thermoplastic – USA

Internal 3M data helps substantiate 3M™ Stamark™ permanent marking tape A380 durability value proposition.

California, I-5, North of Williams

Characteristics of road

Materials:
A380 IES and thermoplastic installed on same day

Measurement methodology:
Internal 3M Data collected with Delta's Vehicle Mounted LTL Mobile Retroreflectometer

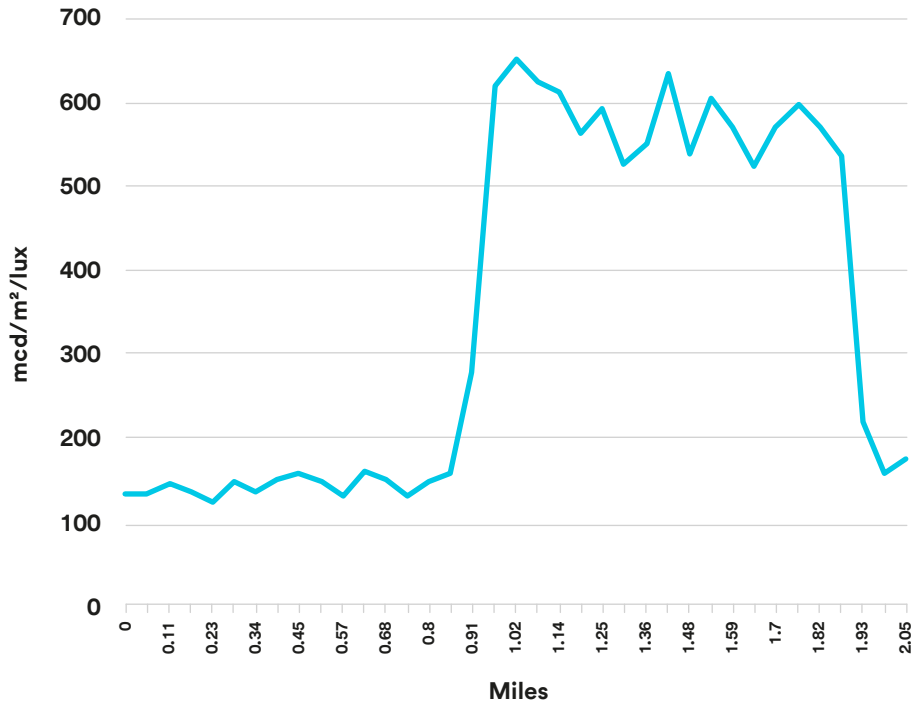
Installation date: Oct 2012

Measurement date: Jul 2015

Site information

- Expressway (I-5), ~9,500 Lane ADT in California
- Surface applied skip line

Thermo and A380I ES mobile retroreflectivity after 30 months



Sources: Delta LTL-M Mobile retro data collected by 3M Application Engineering in 2015, Data maintained by 3M TSD Global Pavement Marking Lab and Marketing

Note: Many factors influence field performance, always consult 3M AE team for guidance

A380I ES field performance data – USA

Internal 3M data helps substantiate 3M™ Stamark™ permanent marking tape A380 durability value proposition.

Alabama, I-59

Characteristics of road

Materials:
A380 IES

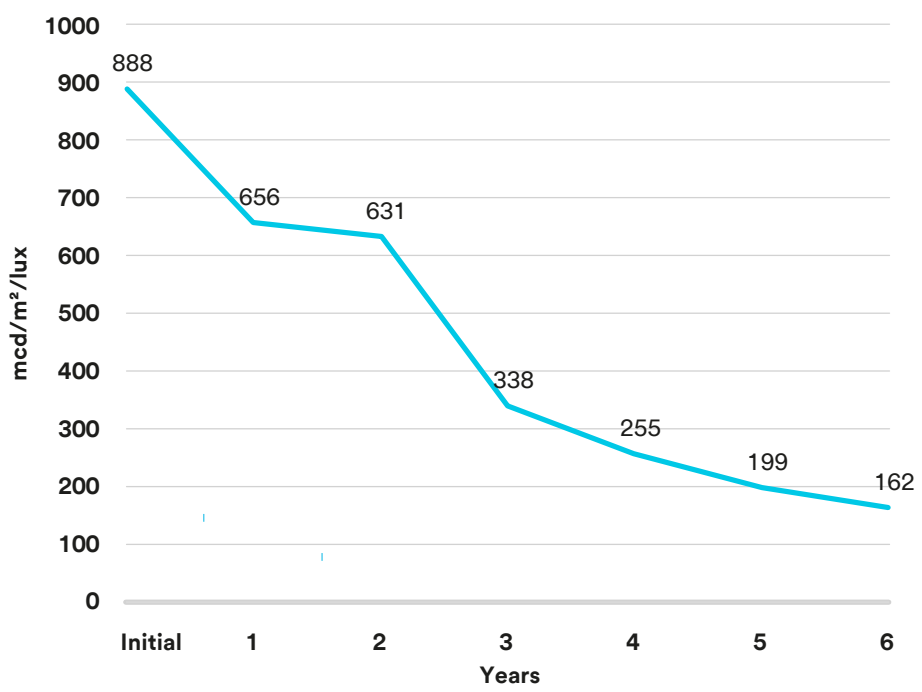
Measurement methodology:
External Data collected by Beck Engineering with Vehicle Mounted LTL Mobile Retroreflectometer

Installation date: Oct 2007

Site information

- Expressway, ~18,000 Lane ADT (~137,000 Road ADT)
- Surface applied skip line
- Concrete

Average dry retroreflectivity over 6 years



Sources: 3M's Beck Engineering Data Portal

Note: Many factors influence field performance, always consult 3M AE team for guidance

A380I ES field performance data – USA

3rd party data helps substantiate 3M™ Stamark™ permanent marking tape A380 durability value proposition.

Pennsylvania Turnpike, I-76

Characteristics of road

Materials:
A380 AW

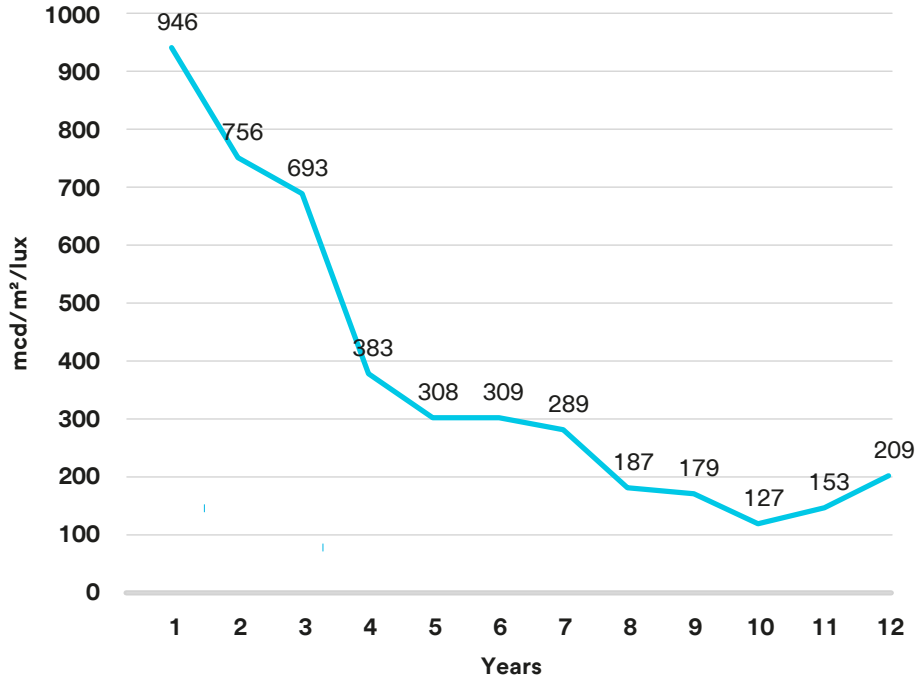
Measurement methodology:
External Data collected by Beck Engineering with Vehicle Mounted LTL Mobile Retroreflectometer

Installation date: Jul 2012

Site information

- Expressway, ~6,000 Lane ADT (~24,000 Road ADT)
- Grooved skip line
- Asphalt

Average dry retroreflectivity after ~7 years



Sources: Pavement Markings Assessment, Spring 2019 Pennsylvania Turnpike Comission

Note: Many factors influence field performance, always consult 3M AE team for guidance

Contact us

We’re always available to offer help and answer any questions you have.

Access the contact form here

3M Gulf Ltd

Dubai Internet City,
Building 20, 3rd Floor,
Dubai,
United Arab Emirates

Office: +971 4 3670530

© 3M 2021. All Rights Reserved. 3M Confidential. 3M and Stamark are Trademarks of 3M Company. OMG196709.