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<tr>
<td><strong>Docket Number:</strong></td>
<td>17-BSTD-02</td>
</tr>
<tr>
<td><strong>Project Title:</strong></td>
<td>2019 Title 24, Part 6, Building Energy Efficiency Standards Rulemaking</td>
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<tr>
<td><strong>TN #:</strong></td>
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<tr>
<td><strong>Document Title:</strong></td>
<td>International Window Film Comments to Docket 17-BSTD-02 - 2019 Energy Code</td>
</tr>
<tr>
<td><strong>Description:</strong></td>
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</tr>
<tr>
<td><strong>Filer:</strong></td>
<td>System</td>
</tr>
<tr>
<td><strong>Organization:</strong></td>
<td>Darrell Smith</td>
</tr>
<tr>
<td><strong>Submitter Role:</strong></td>
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</tr>
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<td><strong>Submission Date:</strong></td>
<td>2/8/2018 1:58:34 PM</td>
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International Window Film Comments to Docket 17-BSTD-02 - 2019 Energy Code

Additional submitted attachment is included below.
International Window Film Comments on the Title 24, Part 6 Standards 45-day Language

The International Window Film Association (IWFA) is a unified industry body of window film dealers, distributors, and manufacturers that has been the third-party industry source for accurate technical information on window film products and its uses for several decades. IWFA has been an active participant in the development of the 2019 Standards and supports their adoption. IWFA appreciates the opportunity to provide further input on the 2019 Standards Rulemaking.

IWFA would like to request that the window film warranty requirements in Residential Appendix 4.2.2.3 and Nonresidential Appendix 7.4.2.4 be updated from a 10 year Warranty Certificate to a 15 year Warranty Certificate. Window film has significantly improved in durability and effectiveness since the inclusion of this warranty requirement in the Title 24 Standards. The vast majority of window film products in the market are now supported with a 15 year or longer Warranty Certificate so a 15 year warranty requirement would reflect the current market practice in California.

This is not a substantive change to the 2019 45-Day Language because a 5 year increase in the warranty requirement will not change the energy efficiency specifications of the installed window film. Furthermore, since the vast majority of window film installed in California currently have a warranty of 15 or more years, changing the requirement from 10 to 15 years in the Standards will have little to no effect on actual building practice. IWFA will provide to CEC staff current market window film warranties to support this change.

Darrell Smith
Executive Director, IWFA
**Product Warranty Statement**

Congratulations! The installation of Johnson Window Films flat glass films will provide many years of comfort, energy savings and protection. **Residential interior applications come with a manufacturer’s lifetime limited warranty**, commercial interior applications come with a 12 or 10 year warranty, and all exterior applications are covered for 5 or 2 years (see Warranty Terms). Johnson Window Films flat glass films are warranted to the original purchaser against cracking, peeling, bubbling, delamination, or demetalization when properly installed and maintained on suitable surfaces of glass windows by an independent installer. This warranty is non-transferable. Your Johnson Window Films dealer is committed to your satisfaction and will continue to be your representative throughout the life of the film covered by this warranty.

**Warranty Limitations**

Warranty repair liability shall in no case exceed a value greater than the original invoice amount, nor shall warranty repair service be extended to anyone other than the original purchaser of the film. This warranty does not apply to glass breakage or seal failure conditions or damage due to improper care. Installing warranty replacement film will not renew or extend the original warranty coverage time periods.

With the exception of any warranties implied by state law as hereby limited, this warranty is exclusive and in lieu of all other warranties, agreements and similar obligations of Johnson Window Films, Inc., with respect to the repair and/or replacement of the film. Obtaining replacement window film as provided under this warranty is the exclusive remedy under this warranty. In no event shall Johnson Window Films, Inc., be liable in either tort or contract for any loss or damages whether direct, special, consequential or incidental arising out of the use of, or inability to use Johnson Window Films. Except to the extent prohibited by applicable law, any implied warranties, including the implied warranty of merchantability or fitness for a particular purpose, on these products is expressly limited in duration to the duration of this warranty.

Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the warranty is non-transferable. Your Johnson Window Films dealer is committed to your satisfaction and will continue to be your representative throughout the life of the film covered by this warranty.

**Exterior Application Limitations**

Exterior film applications are warranted for a period of five (5) years for vertical installations (i.e. standard windows) or two (2) years for horizontal or sloped installations. SUNLIGHT film, and Exterior metallized films (DN EXT, SS EXT and SV EXT) must have edges fully sealed to validate coverage.

**Installation Information**

Must be legible and filled out completely to validate this Warranty:

<table>
<thead>
<tr>
<th>Location</th>
<th>Square Footage</th>
<th>Film Type</th>
<th>Roll Number (MANDATORY)</th>
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<tbody>
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<tr>
<th>Location</th>
<th>Square Feet</th>
<th>Film Type</th>
<th>Roll Number (MANDATORY)</th>
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</thead>
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<th>Square Feet</th>
<th>Film Type</th>
<th>Roll Number (MANDATORY)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Dealer Information**

**Customer Information**

We often contact our customers to follow-up on your continued satisfaction.

**Validation**

The original invoice from your dealer is required to verify your purchase. Keep it with this warranty form to facilitate validation of film purchase and film type.

### Customer Signature Date

X

Johnson Window Films respects your privacy. We do not sell, rent, loan or transfer any personal information regarding our customers to any unrelated third parties. Roll numbers and customer signature are MANDATORY.
Congratulations!
Your dealer has installed SUNSCAPE SELECT window film, manufactured by Madico, Inc., hereafter referred to as Madico.

15 Year Limited Product Warranty
Subject to the terms, conditions and limitations provided herein, Madico warrants SUNSCAPE SELECT window films to be free from defect when properly applied to the interior glass surface of commercial buildings for a period of fifteen years from the date of installation of the window film. This commercial limited warranty coverage is non-transferable.

5 Year Limited Glass Breakage Warranty
ALL SUNSCAPE SELECT window films include limited coverage against thermal stress and thermal expansion glass breakage caused as a direct result of a commercial installation on vertical glass only. The coverage period is five years from the original film installation completion date. See reverse side of this certificate for important details about the conditions, scope and applicability of this glass breakage warranty coverage. This five year limited glass breakage warranty coverage is applicable only to the original purchaser of the SUNSCAPE SELECT window film and is non-transferable.

5 Year Limited IG Unit Seal Failure Warranty
Five year coverage for installed glass (IG) seal failure is also included with the limited glass breakage warranty, although it is only on applicable IG units with approved film-to-glass applications. The coverage period is five years from the original film installation completion date. This warranty is subject to the terms, conditions and limitations provided herein, and subject to proof that manufacturer's warranty on the windows is in force at the time of film installation. See reverse side of this certificate for important details about the conditions, scope and applicability of this IG unit seal failure warranty coverage. This five year limited IG seal failure warranty coverage is applicable only to the original purchaser of the SUNSCAPE SELECT window film and is non-transferable.

Product Warranty Coverage
In the unlikely event that a SUNSCAPE SELECT film with fifteen year commercial limited product warranty coverage should experience adhesive failure, bubbling, cracking, crazing, delamination, demetallization or change of color, Madico will provide replacement film and reimburse the reasonable and customary labor costs, to an independent window film dealer, to remove the defective film and install the replacement film. Any independent window film dealer can be authorized by the Madico warranty service department to remove and replace the defective film. Warranty repair liability shall in no case exceed a value greater than the original invoice amount, nor shall warranty repair service be extended to repair other than the company that originally purchased the film. Installing warranty replacement film will not renew or extend the original warranty coverage time periods as stated on this contract.

This warranty is the sole and exclusive warranty provided by Madico for the SUNSCAPE SELECT window film, or for glass breakage or IG unit seal failure. No other warranties, express or implied, are provided with this product, and implied warranties of merchantability and/or fitness for a particular purpose are expressly disclaimed. In addition, all other liabilities that might arise with respect to the sale of this product or other service either in contract or tort, including without limitation strict liability based upon statute or common law, and liability based upon negligence of Madico or its agents, are expressly disclaimed and negated. The remedy provided herein shall be the sole and exclusive remedy for any loss arising out of the sale, application and/or use of this product except as provided herein. Madico shall not under any circumstances be responsible for or liable to any party for any economic loss or physical harm or any incidental, consequential or special damages. Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above may not apply to you.

Madico shall not be liable for any loss, damage, expense or cost caused in whole or in part by improper installation, improper care or maintenance of the product, non-conforming applications or uses, or any other cause not directly caused by the quality of the product, or the quality of the installation of the window glass or IG unit. This warranty may not be modified in any respect except by the express written agreement of Madico.

How to Make a Claim
Madico provides a toll-free warranty service department phone number for North America. The number is 1-800-255-1926 and can be used Monday through Friday, 8am to 5pm EST. To initiate a claim for product failure, glass breakage or IG unit seal failure, the original purchaser must be prepared to present a copy of the following SUNSCAPE SELECT dealer’s proof of purchase invoice, a valid and properly completed warranty certificate and, if applicable, proof of the original IG unit original seal failure warranty coverage. The warranty period need not be present to file a warranty claim. The warranty product coverage applies only to the quality of the film product and does not include the quality of the installation performed by the dealer.

Film Dry Out Time
The mounting solution used during the installation of your SUNSCAPE SELECT window films may require a period of time to dry out. Cold and/or cloudy weather conditions can lengthen the dry out time of a SUNSCAPE SELECT film, while warm weather and direct sunlight exposure will shorten the dry out time. Small water beads and slightly cloudy look may appear during the dry out period. If slow drying does occur, do not become alarmed, it is a part of the natural curing process.

Window Film Care & Maintenance
To maintain maximum service life from your SUNSCAPE SELECT window film product, note the following instructions for proper care maintenance. DO NOT CLEAN THE FILM FOR 30 DAYS AFTER INSTALLATION. This will help secure proper curing of the adhesive system to the glass. Do not use brittle brushes, abrasive scrubbing sponges or any other cleaning materials that could scratch the film. Always use fresh clean soft materials to wash and dry your window film surfaces. Do not use treatments that contain abrasive materials. Common household window cleaning solutions may be safely used to clean your windows.

SEE REVERSE SIDE FOR TERMS & CONDITIONS REGARDING THIS WARRANTY.
ALL INFORMATION MUST BE COMPLETED.

Customer Information
Name:
Address:
City/State/Zip: ________________________
Phone: ____________________________
Signature: _________________________

Dealer Information
Dealer Name: ________________________
Business Name: ________________________
Address: ____________________________
City/State/Zip: ________________________
Phone: ____________________________
Signature: _________________________

Film Installation Information
Installation Date: ________________________
Glass Type (Check): [ ] Single Pane [ ] Double Pane [ ] Clear [ ] Tinted
Annealed [ ] Tempered [ ] Reflective: [ ] Yes [ ] No
Glass Thickness: “Low-E: [ ] Yes [ ] No
Film Type(s): ________________________
Roll #’s: __________________________
Total square footage installed: ________________________
Number of panes filmed: [ ] Single Pane [ ] Double Pane
Has any previous glass breakage of seal failure occurred? [ ] Yes [ ] No

Send completed yellow copy to: Madico, Inc. • Warranty Department • 64 Industrial Parkway • Woburn, MA 01801

WHITE: CUSTOMER YELLOW: MADICO, INC. PINK: DEALER
3M™ Sun Control Window Film Warranty

Commercial Limited 15 Year Product Warranty

Product Warranty, Limited Remedy and Disclaimer:
3M Company and the 3M Authorized Window Film Dealer (collectively referred to as “Seller”) warrant for Fifteen (15) Years from installation, and provided that the product is maintained in accordance with the Window Care Instructions below, that the 3M Sun Control Window Film will:

- Maintain Solar Reflective Properties without cracking, crazing, or peeling
- Maintain Adhesion Properties without blistering, bubbling, or delaminating from the glass
- Maintain Appearance without discoloration

If the 3M product does not conform to this warranty, the sole and exclusive remedy is:
- Replacement of the Quantity of Film proved to be defective; and
- Provide Removal and Reapplication Labor of like quality Product free of charge

Seller also warrants against glass failure due to thermal shock fracture, (maximum value of $500 per window) caused only as a direct result of the application of 3M Sun Control Window Film provided the film is applied to recommended types of glass and the glass failure is reported to the Seller within the specified time (listed below) from the start of the installation.
- Sixty (60) months coverage against thermal shock fracture
- Any glass failure covered by this warranty must be reviewed by Seller prior to repair, and only covers film and glass replacement.

This warranty is only to the original purchaser of the Product(s) from Seller, is not transferable and is further subject to the terms and conditions set forth herein. 3M MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES OR CONDITIONS, INCLUDING ANY IMPLIED WARRANTY OF CONDITION OF MERCHANTABLITY OR FITNESS FOR A PARTICULAR PURPOSE. Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential damages, regardless of the legal theory asserted.

The Product Warranty applies only when Product is maintained in accordance with Window Care Instructions, when the Product is properly installed. This Product Warranty does not cover misuse, abuse or acts of God. This Product Warranty covers U.S. Installations only.

Claims Process:
To obtain warranty service, please contact your 3M Authorized Window Film Dealer at:

Important Notice: Window Care Instructions
3M Sun Control Window Films may be washed with common washing solutions, including ammonia-based products, thirty (30) days after installation. Abrasive type cleaning agents and bristle brushes which would scratch the film must not be used. Synthetic sponges, squeegees, or soft cloths are recommended to be used with the cleaning solution. To maintain your warranty, do not use tape or other adhesive products on the film.

Important Notice: Temporary Appearance:
After installation, there may be a hazy appearance on your windows. This condition is temporary and is caused by the moisture that is present when applying the film. This hazy appearance will disappear after the film dries which may take up to thirty (30) days for the film to completely dry. Cold weather conditions may require additional time.

Product Number:          Run Number:          Sq. Ft. of Glass Covered:
Residential Limited Lifetime Product Warranty

Product Warranty, Limited Remedy and Disclaimer:
3M and the 3M Authorized Window Film Dealer (collectively referred to as “Seller”) warrant to the original purchaser who owns and lives in the residence where the 3M Sun Control Window Film is installed, and provided that the product is maintained in accordance with the Window Care Instructions, that the 3M Safety & Security Window Films will:

- Maintain Solar Reflective Properties without cracking, crazing, or peeling
- Maintain Adhesion Properties without blistering, bubbling, or delaminating from the glass
- Maintain Appearance without discoloration

If the 3M product does not conform to this warranty, the sole and exclusive remedy is:
- Replacement of the Quantity of Film proved to be defective; and
- Provide Removal and Reapplication Labor of like quality Product free of charge

Seller also warrants against glass failure due to thermal shock fracture, (maximum value of $500 per window) caused only as a direct result of the application of 3M Sun Control Window Film provided the film is applied to recommended types of glass and the glass failure is reported to the Seller within the specified time (listed below) from the start of the installation.

- Sixty (60) months coverage against thermal shock fracture
- Any glass failure covered by this warranty must be reviewed by Seller prior to repair, and only covers film and glass replacement.

This warranty is only to the original purchaser of the Product(s) from Seller, is not transferable and is further subject to the terms and conditions set forth herein. 3M MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES OR CONDITIONS, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential damages, regardless of the legal theory asserted.

The Product Warranty applies only when Product is maintained in accordance with Window Care Instructions, when the Product is properly installed. This Product Warranty does not cover misuse, abuse or acts of God. This Product Warranty covers U.S. Installations only.

Claims Process:
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Important Notice: Temporary Appearance:
After installation, there may be a hazy appearance on your windows. This condition is temporary and is caused by the moisture that is present when applying the film. This hazy appearance will disappear after the film dries which may take up to thirty (30) days for the film to completely dry. Cold weather conditions may require additional time.

Product Number: Run Number: Sq. Ft. of Glass Covered:
**Product Warranty Statement**

Hanita Coatings warrants all SolarZone and SafetyZone brand window films sold and professionally installed to the interior or exterior side of glass against cracking, changing color, crazing, delaminating, demetallizing and adhesive failure as per the table below. Recommendations by the manufacturer, verbal or in writing are not to be considered confirmation of coverage by this warranty certificate. In the event of film failure, Hanita Coatings will replace the film, or issue credit for the film and re-installation labor of only such quantity of film product determined to be defective by the manufacturer.

The Limited Warranty coverage begins at the time of installation completion. This Limited Warranty covers only window films approved by the manufacturer for flat glass application, according to the most recent Film to Glass Application Chart at the time of installation.

**Glass Breakage and Seal Failure Limited Warranty Statement**

Hanita Coatings offers Limited Warranty protection against glass breakage due to thermal stress shock fracture, and insulated glass (IG) seal failure. (*see terms and conditions overleaf).

### Interior Warranty Duration

<table>
<thead>
<tr>
<th>SolarZone</th>
<th>Warranty Duration</th>
<th>Commercial</th>
<th>Residential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silver</td>
<td>20 • 35 • 50</td>
<td>15 years</td>
<td>Lifetime²</td>
</tr>
<tr>
<td>Solar Bronze</td>
<td>20 • 35</td>
<td>15 years</td>
<td>Lifetime²</td>
</tr>
<tr>
<td>PerLite Cold Steel</td>
<td>20 • 35 • 50 • 70</td>
<td>15 years</td>
<td>Lifetime²</td>
</tr>
<tr>
<td>Natura</td>
<td>07 • 15 • 28</td>
<td>15 years</td>
<td>Lifetime²</td>
</tr>
<tr>
<td>OptiTune</td>
<td>05 • 15 • 22 • 30 • 40</td>
<td>15 years</td>
<td>Lifetime²</td>
</tr>
<tr>
<td>OptiShade</td>
<td>15 • 25 • 35</td>
<td>15 years</td>
<td>Lifetime²</td>
</tr>
<tr>
<td>Matte</td>
<td>2 mil</td>
<td>15 years</td>
<td>Lifetime²</td>
</tr>
<tr>
<td>e-Lite</td>
<td>45 • 70</td>
<td>10 Year¹</td>
<td>Lifetime¹²</td>
</tr>
<tr>
<td>Specialty</td>
<td>Black Out • White Out</td>
<td>5 years</td>
<td>5 years</td>
</tr>
<tr>
<td></td>
<td>UV Filter</td>
<td>15 years</td>
<td>Lifetime²</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SafetyZone</th>
<th>Warranty Duration</th>
<th>Commercial</th>
<th>Residential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clear</td>
<td>4 Mil • 7 Mil • 8 Mil</td>
<td>15 years</td>
<td>Lifetime²</td>
</tr>
<tr>
<td>Silver</td>
<td>20 (4, 9, 12 mil)</td>
<td>15 years</td>
<td>Lifetime²</td>
</tr>
<tr>
<td>PerLite</td>
<td>35 (6, 10 mil)</td>
<td>15 years</td>
<td>Lifetime²</td>
</tr>
<tr>
<td>OptiTune</td>
<td>22 (5 mil) • 30 (10 mil)</td>
<td>15 years</td>
<td>Lifetime²</td>
</tr>
<tr>
<td>Matte</td>
<td>5 Mil • 12 Mil</td>
<td>12 years</td>
<td>12 Years</td>
</tr>
<tr>
<td>e-Lite</td>
<td>70 (8 mil)</td>
<td>10 Year¹</td>
<td>10 Year¹</td>
</tr>
</tbody>
</table>

1. Edge Sealing required within a distance of 10 miles/16km from the sea. Use Dow Corning 795 or 1199 (clear) No edge sealing required on such location in case of fixed/stationary/immoveable windows that are not exposed to environment.

2. For SolarZone films applied to the interior side of glass, a limited lifetime warranty is offered for residential installations to the original consumer as long as they own and live in the home. This limited warranty is extended to the original purchaser and is non-transferable if there is a change of ownership of the home in which film has been installed.

### Exterior Warranty Duration

<table>
<thead>
<tr>
<th>SolarZone XTRM</th>
<th>Warranty Duration</th>
<th>Vertical</th>
<th>Horizontal/ Sloped</th>
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</thead>
<tbody>
<tr>
<td>XTRM Silver</td>
<td>20X</td>
<td>Up to 15</td>
<td>5 years</td>
</tr>
<tr>
<td>35X</td>
<td></td>
<td>10 years</td>
<td>5 years</td>
</tr>
<tr>
<td>XTRM SkyLite</td>
<td>S20X</td>
<td>-</td>
<td>Up to 10 years</td>
</tr>
<tr>
<td>PolyZone SkyLite</td>
<td></td>
<td>-</td>
<td>10 years</td>
</tr>
<tr>
<td>XTRM Titan</td>
<td>07 • 20 • 35</td>
<td>8 years (Up to 10*)</td>
<td>4 years</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SolarZone Xtra</th>
<th>Warranty Duration</th>
<th>Vertical</th>
<th>Horizontal/ Sloped</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silver</td>
<td>20 Xtra • 35 Xtra</td>
<td>7 years</td>
<td>4 years</td>
</tr>
<tr>
<td>50 Xtra</td>
<td></td>
<td>4 years</td>
<td>3 years</td>
</tr>
<tr>
<td>Matte Xtra</td>
<td></td>
<td>5 years</td>
<td>3 years</td>
</tr>
<tr>
<td>PolyZone 20 Xtra</td>
<td></td>
<td>4 years</td>
<td>3 years</td>
</tr>
<tr>
<td>Xtra Titan</td>
<td>07 Xtra</td>
<td>5 years</td>
<td>3 years</td>
</tr>
<tr>
<td>20 Xtra • 35 Xtra</td>
<td></td>
<td>5 years**</td>
<td>3 years</td>
</tr>
<tr>
<td>50 Xtra</td>
<td></td>
<td>4 years</td>
<td>2 years</td>
</tr>
<tr>
<td>Solar Bronze</td>
<td>20 Xtra • 35 Xtra</td>
<td>4 years</td>
<td>3 years</td>
</tr>
<tr>
<td>OptiLite</td>
<td>75 Xtra</td>
<td>5 years</td>
<td>3 years</td>
</tr>
<tr>
<td>Xtra Titan</td>
<td>07 Xtra</td>
<td>5 years</td>
<td>3 years</td>
</tr>
<tr>
<td>20 Xtra • 35 Xtra</td>
<td></td>
<td>5 years</td>
<td>3 years</td>
</tr>
<tr>
<td>50 Xtra</td>
<td></td>
<td>4 years</td>
<td>2 years</td>
</tr>
</tbody>
</table>

### SafetyZone Xtra

| Clear | 4 Mil Xtra • 7 Mil Xtra | 5 years | 3 years |
| Silver | 20 Xtra (4, 6 Mil) | 5 years | 3 years |

All exterior films require edge sealing; use sealing agent Dow Corning 795 or 791, Max 5000 by GE or equivalent neutral approved silicone seal agent for external application.

¹ See terms and conditions
² 5th year prorated to 30% film value

April 2016
Product Warranty Statement
Hanita Coatings warrants all SolarZone and SafetyZone brand window films sold and professionally installed to the interior or exterior side of glass against cracking, changing color, crazing, delaminating, demetallizing and adhesive failure as per the table below. Recommendations by the manufacturer, verbal or in writing are not to be considered confirmation of coverage by this warranty certificate. In the event of film failure, Hanita Coatings will replace the film, or issue credit for the film and re-installation labor of only such quantity of film product determined to be defective by the manufacturer.

The Limited Warranty coverage begins at the time of installation completion. This Limited Warranty covers only window films approved by the manufacturer for flat glass application, according to the most recent Film to Glass Application Chart at the time of installation.

Glass Breakage and Seal Failure Limited Warranty Statement
Hanita Coatings offers Limited Warranty protection against glass breakage due to thermal stress shock fracture, and insulated glass (IG) seal failure. (*see terms and conditions overleaf).

<table>
<thead>
<tr>
<th>Interior</th>
<th>Warranty Duration</th>
<th>Exterior</th>
<th>Warranty Duration</th>
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</thead>
<tbody>
<tr>
<td><strong>SolarZone</strong></td>
<td></td>
<td><strong>SolarZone XTRM</strong></td>
<td></td>
</tr>
<tr>
<td>Silver</td>
<td>20 • 35 • 50</td>
<td>20X</td>
<td>Up to 15 years*</td>
</tr>
<tr>
<td>Silver Low-E</td>
<td>20 Low-E • 35 Low-E</td>
<td>35X</td>
<td>10 years*</td>
</tr>
<tr>
<td>Solar Bronze</td>
<td>20 • 35</td>
<td>XTRM Silver</td>
<td>-</td>
</tr>
<tr>
<td>PerLite</td>
<td>20 • 35 • 50 • 70</td>
<td>PolyZone SkyLite</td>
<td>-</td>
</tr>
<tr>
<td>Natura</td>
<td>07 • 15 • 28</td>
<td>XTRM Titan</td>
<td>10 years*</td>
</tr>
<tr>
<td>OptiTune</td>
<td>05 • 15 • 22 • 30 • 40</td>
<td>Silver</td>
<td>7 years</td>
</tr>
<tr>
<td>OptiShade</td>
<td>15 • 25 • 35</td>
<td>Xtra Silver</td>
<td>4 years</td>
</tr>
<tr>
<td>Matte</td>
<td>2 mil</td>
<td>Matte Xtra</td>
<td>5 years</td>
</tr>
<tr>
<td>e-Lite</td>
<td>45 • 70</td>
<td>PolyZone Xtra</td>
<td>4 years</td>
</tr>
<tr>
<td>Specialty</td>
<td>Black Out • White Out</td>
<td>Xtra Silver 20 • 35</td>
<td>5 years</td>
</tr>
<tr>
<td>UV Filter</td>
<td>15 years</td>
<td>3 years</td>
<td></td>
</tr>
<tr>
<td><strong>SafetyZone</strong></td>
<td></td>
<td><strong>Titan</strong></td>
<td>7 years</td>
</tr>
<tr>
<td>Silver</td>
<td>4 Mil • 7 Mil • 8 Mil</td>
<td>07 Xtra</td>
<td>5 years</td>
</tr>
<tr>
<td>Silver 11 Mil • 12 Mil • 15 Mil</td>
<td>15 years</td>
<td>PolyZone 20 Xtra</td>
<td>4 years</td>
</tr>
<tr>
<td>PerLite previously Cold Steel</td>
<td>35 (6, 10 mil)</td>
<td>Xtra Titan</td>
<td>5 years **</td>
</tr>
<tr>
<td>OptiTune</td>
<td>22 (5 mil) • 30 (10 mil)</td>
<td>20 Xtra • 35 Xtra</td>
<td>3 years</td>
</tr>
<tr>
<td>Matte</td>
<td>5 Mil • 12 Mil</td>
<td>50 Xtra</td>
<td>4 years</td>
</tr>
<tr>
<td>e-Lite</td>
<td>70 (8 mil)</td>
<td>Xtra Silver 20</td>
<td>5 years</td>
</tr>
</tbody>
</table>

1. Edge Sealing required within a distance of 10 miles/16km from the sea. Use Dow Corning 795 or 1199 (clear). No edge sealing required on such location in case of fixed/stationary/immovable windows that are not exposed to environment.

2. For SolarZone films applied to the interior side of glass, a limited lifetime warranty is offered for residential installations to the original consumer as long as they own and live in the home. This limited warranty is extended to the original purchaser and is non-transferable if there is a change of ownership of the home in which film has been installed.

SEE TERMS AND CONDITIONS OVERLEAF
SOLAR CONTROL
APPLICATIONS: COMMERCIAL

☐ 5 Year Limited Warranty for LLumar products
DL05GSRCDF, DL15BSRCDF, DL15GSRCDF,
DL30GNSRHP, R15BLSRHP, and R15GOSRHP.

☐ 7 Year Limited Warranty for LLumar products
R15BSRCDF and R15GSRCDF.

☐ 10 Year Limited Warranty for LLumar products
AU85UVSRHP, DR15SRCDF, DRN25SRCDF,
DRN35SRCDF, E1220SRCDF, N1020SRCDF,
N1020BSRCDF, N1035BSRCDF, N1040SRCDF,
N1050SRCDF, N1065SRCDF, R20SRCDF, R35SRCDF,
R50SRCDF, and RN07SRCDF.

☐ 15 Year Limited Warranty for LLumar product
AIR80BLSRHP.

These warranties are extended to the original purchaser.
These products are warranted by the manufacturer against
bubbling, corrosion, crazing, delaminating, and peeling when
properly installed in accordance with the manufacturer's
instructions on suitable INTERIOR surfaces of glass by a duly
authorized dealer. If the film fails to comply with the warranty,
the manufacturer will replace the non-conforming or defective
film (labor and materials) at no cost to the purchaser. A
manufacturer-approved edge sealant is required for
re-installation if the warranty replacement should be
necessary because of corrosion issues.

WARRANTIES FOR COMMERCIAL APPLICATIONS ARE NOT
TRANSFERABLE FROM ONE PURCHASER TO ANOTHER.

INSTALLATION RECORD (press hard)

<table>
<thead>
<tr>
<th>Contact Name</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Customer Name (print)</td>
<td>Customer Signature</td>
</tr>
</tbody>
</table>
Window Film Limited Warranty

Ceramic 55, Ceramic 65, V14SRCDF, V18SRCDF, V28SRCDF, V33SRCDF, V38SRCDF, V45SRCDF, V48SRCDF, and V58SRCDF and EnerLogic product VEP70.

☐ 15 Year Limited Warranty for EnerLogic product VEP35SRCDF where the film is required to be sealed if application is within 10 kilometers of the ocean.

These warranties are extended to the original purchaser. These products are warranted by the manufacturer against bubbling, corrosion, crazing, delaminating, and peeling when properly installed in accordance with the manufacturer's instructions on suitable INTERIOR surfaces of glass by a duly authorized dealer. If the film fails to comply with the warranty, the manufacturer will replace the non-conforming or defective film (labor and materials) at no cost to the purchaser. A manufacturer-approved edge sealant is required for re-installation if the warranty replacement should be necessary because of corrosion issues.

WARRANTIES FOR COMMERCIAL APPLICATIONS ARE NOT TRANSFERABLE FROM ONE PURCHASER TO ANOTHER.

SAFETY-AND-SECURITY APPLICATIONS

☐ 10 Year Safety-and-Security Film Limited Warranty: Commercial Applications

☐ Lifetime Safety-and-Security Film Limited Warranty: Residential Applications for LLumar products N1020SRPS4, N1020SRPS8, N1040SRPS4, N1040SRPS8, N1050SRPS4, N1050SRPS8, N160V65SRPS4, R20SRPS4, R20SRPS8, SCLSRPS2, SCLSRS4, SCLSRS6, SCLSRS7, SCLSRS8, SCLSRS81, and SCLSRS15 and Vista Products V28SRPS8 and V3BSPCCF.

These warranties are extended to the original purchaser. The products are warranted by the manufacturer against corrosion, crazing, delaminating, and peeling when properly installed in accordance with the manufacturer's instructions on suitable INTERIOR surfaces of glass by a duly authorized dealer. If the film fails to comply with the warranty, the manufacturer will replace the non-conforming or defective film (labor and materials) at no cost to the purchaser. This warranty includes labor and material on safety-and-security films less than 7 mils thickness. Films that are 7 mils thickness and greater require the dealer to be approved by the manufacturer prior to installation to obtain a valid film and labor warranty.

These warranties are warranted against bubbling, corrosion, crazing, delaminating, and peeling when properly installed in accordance with the manufacturer's instructions on suitable INTERIOR surfaces of glass by a duly authorized dealer. If the film fails to comply with the warranty, the manufacturer will replace the non-conforming or defective film (labor and materials) at no cost to the purchaser. A manufacturer-approved edge sealant is required for re-installation if the warranty replacement should be necessary because of corrosion issues.

WARRANTIES FOR COMMERCIAL APPLICATIONS ARE NOT TRANSFERABLE FROM ONE PURCHASER TO ANOTHER.

ANTI-GRAB APPLICATIONS

☐ 2 Year Limited Warranty

☐ Glass Scratch Resistant Film Limited Warranty

☐ 5 Year Glass Scratch Resistant Film Limited Warranty

☐ Not Applying

☐ Available for Commercial Applications

PLEASE SEE THE LLUMAR LIMITED WARRANTY OF LIMITATION OF LIABILITY AND ADDITIONAL TERMS AND CONDITIONS FOR MORE INFORMATION.

• Must have existing LLUMAR Warranty to apply toward the Glass Scratch Resistant Film Limited Warranty.

• Must be purchased from a duly authorized dealer and installed by a duly authorized dealer.

• May not be applied toward another warranty.
Window Film Limited Warranty

Ceramic 55, Ceramic 65, V14SRCDF, V18SRCDF, V28SRCDF, V33SRCDF, V38SRCDF, V45SRCDF, V48SRCDF, and V56SRCDF and EnerLogic product VEP70.

☐ 15 Year Limited Warranty for EnerLogic product VEP35SRCDF where the film is required to be sealed if application is within 10 kilometers of the ocean.

These warranties are extended to the original purchaser. These products are warranted by the manufacturer against bubbling, corrosion, crazing, delaminating, and peeling when properly installed in accordance with the manufacturer's instructions on suitable INTERIOR surfaces of glass by a duly authorized dealer. If the film fails to comply with the warranty, the manufacturer will replace the non-conforming or defective film (labor and materials) at no cost to the purchaser. A manufacturer-approved edge sealant is required for re-installation if the warranty replacement should be necessary because of corrosion issues.

WARRANTIES FOR COMMERCIAL APPLICATIONS ARE NOT TRANSFERABLE FROM ONE PURCHASER TO ANOTHER.

SAFETY-AND-SECURITY APPLICATIONS

☐ 10 Year Safety-and-Security Film Limited Warranty: Commercial Applications

☐ Lifetime Safety-and-Security Film Limited Warranty: Residential Applications for LLumar products N1020SRPS4, N1020SRPS8, N1040SRPS4, N1040SRPS8, N1050SRPS4, N1050SRPS8, N166SRPS4, R20SRPS4, R20SRPS8, SCLSRPS2, SCLSRPS4, SCLSRPS6, SCLSRPS7, SCLSRPS8, SCLSRPS11, and SCLSRPS15 and Vista Products V28SRPS8 and V38SRPS8.

These warranties are extended to the original purchaser. The products are warranted by the manufacturer against corrosion, crazing, delaminating, and peeling when properly installed in accordance with the manufacturer's instructions on suitable INTERIOR surfaces of glass by a duly authorized dealer. If the film fails to comply with the warranty, the manufacturer will replace the non-conforming or defective film (labor and materials) at no cost to the purchaser. This warranty includes labor and material on safety-and-security films less than 7 miles thickness. Films that are 7 miles thickness and greater require the dealer to be approved by the manufacturer prior to installation to obtain a valid film and labor warranty.

These warranties are issued to the original purchaser and are not transferable to another. Original purchaser is the first owner of the windows or doors. This warranty is not transferable if the original purchaser's windows or doors are sold to another party. Warranty transfer must be approved by the manufacturer in writing. Warranty transfer is only valid for the warranty period and is subject to the terms and conditions of the warranty. Warranty transfer is void if the original purchaser's windows or doors are not installed in accordance with the manufacturer's instructions. Warranty transfer is void if the original purchaser's windows or doors are not installed in accordance with the manufacturer's instructions within 100 miles of the ocean.
Congratulations!
Your dealer has installed SUNSCAPE SELECT window film, manufactured by Madico, Inc. hereinafter referred to as Madico.

Lifetime Limited Product Warranty
Subject to the terms, conditions and limitations provided herein, Madico warrants SUNSCAPE SELECT window films to be free from defects when properly applied to the interior glass surface of residential buildings. This residential limited warranty coverage is non-transferable.

5 Year Limited Glass Breakage Warranty
All SUNSCAPE SELECT window films include limited coverage against thermal stress and thermal expansion glass breakage caused as a direct result of an approved residential installation on vertical glass only. The coverage period is five years from the original film installation completion date. See reverse side of this certificate for important details about the conditions, scope and applicability of this glass breakage warranty coverage. This five year limited glass breakage warranty coverage is applicable only to the original purchaser of the SUNSCAPE SELECT window film and is non-transferable.

5 Year Limited IG Unit Seal Failure Warranty
Five year coverage for insulated glass (IG) unit seal failure is also included with the limited glass breakage warranty, although it is only on applicable IG units with approved film-to-glass applications. The coverage period is five years from the original film installation completion date. This warranty is subject to the terms, conditions and limitations provided herein, and subject to proof that manufacturer's warranty on the windows is in force at the time of film installation. See reverse side of this certificate for important details about the conditions, scope and applicability of this IG unit seal failure warranty coverage. This five year limited IG seal failure warranty coverage is applicable only to the original purchaser of the SUNSCAPE SELECT window film and is non-transferable.

Product Warranty Coverage
In the unlikely event that a SUNSCAPE SELECT film with lifetime residential limited product warranty coverage should experience adhesive failure, bubbling, cracking, crazing, delamination, demetalization or change of color, Madico will provide replacement film and reimburse the reasonable and customary labor costs to an independent window film dealer, to remove the defective film and install the replacement film. Any independent window film dealer can be authorized by the Madico warranty service department to remove and replace the defective film. Warranty repair liability shall in no case exceed a value greater than the original invoice amount, nor shall warranty repair service be extended to anyone other than the original purchaser of the film. Installing warranty replacement film will not renew or extend the original warranty coverage time periods as stated on this contract.

This warranty is the sole and exclusive warranty provided by Madico for the SUNSCAPE SELECT window film, or for glass breakage or IG unit seal failure. No other warranties, express or implied, are provided with this product, and implied warranties of merchantability and/or fitness for a particular purpose are expressly disclaimed. In addition, all other liabilities that might arise with respect to the sale of this product or other service either in contract or tort, including without limitation, strict liability based upon statute or common law, and liability based upon negligence of Madico or its agents, are expressly disclaimed and negated. The remedy provided herein shall be the sole and exclusive remedy for any loss arising out of the sale, application and/or use of this product except as provided herein, Madico shall not under any circumstances be responsible for or liable to any party for any economic loss or physical harm or any incidental, consequential or special damages. Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above may not apply to you.

Madico shall not be liable for any loss, damage, expense or cost caused in whole or in part by improper installation, improper care or maintenance of the product, non-compliance with applicable laws or regulations, or by any other event not directly caused by the quality of the product, the quality of the workmanship of the window glass or IG unit. This warranty may not be modified in any respect except by the written agreement of Madico.

How to Make a Claim
Madico provides a toll-free warranty service department phone number for North America. The number is 1-800-255-1926 and can be used Monday through Friday, from 8am to 5pm EST. To initiate a claim for product failure, glass breakage or IG unit seal failure, the original purchaser must be prepared to provide a copy of the installing SUNSCAPE SELECT dealer's original purchase invoice, a valid and properly completed warranty certificate and, in case of seal failure, a copy of the IG unit original seal failure warranty coverage. The installing dealer need not be present to file a warranty claim. The product warranty coverage applies only to the quality of the film product and does not insure the quality of the installation performed by the dealer.

Film Dry Out Time
The mounting solution used during the installation of your SUNSCAPE SELECT window films may require a period of time to dry out. Cold and/or cloudy weather conditions can lengthen the dry out time of a SUNSCAPE SELECT film, while warm weather and direct sun light exposure will shorten the dry out time. Small water beads and slightly cloudy look may appear during the dry out period. If slow drying does occur, do not become alarmed, it is a part of the natural curing process.

Window Film Care & Maintenance
To obtain maximum service life from your SUNSCAPE SELECT window films, follow the instructions for proper care maintenance. DO NOT CLEAN THE FILM FOR 30 DAYS AFTER INSTALLATION. This will help secure proper cleaning of the adhesive system to the glass. Do not use abrasive cleaners, or any other cleaning materials that may scratch or damage your window film surfaces. Do not use solutions that contain abrasive materials.

Common household window cleaning solutions may be safely used to clean your windows.

SEE REVERSE SIDE FOR TERMS & CONDITIONS REGARDING THIS WARRANTY
ALL INFORMATION MUST BE COMPLETED.

Customer Information
Name: ____________________________
Address: ____________________________
City/State/Zip: ____________________________
Phone: ____________________________
Signature: ____________________________

Dealer Information
Dealer Name: ____________________________
Business Name: ____________________________
Address: ____________________________
City/State/Zip: ____________________________
Phone: ____________________________
Signature: ____________________________

Film Installation Information
Installation Date: ____________________________
Glass Type (Check): □ Single Pane □ Double Pane □ Clear □ Tinted
□ Annealed □ Tempered □ Reflective: □ Yes □ No
Glass Thickness: __________' □ Low-E: □ Yes □ No
Film Type(s): ____________________________
Roll #: ____________________________

Total square footage installed: ____________________________
Number of panes filmed □ Single Pane: ____________________________ □ Double Pane: ____________________________
Has any previous glass breakage or seal failure occurred? □ Yes □ No