



# PALSHIELD™

## Manufacturer's 7-Year Limited Warranty

**Customer:**

**Project:**

**PALRAM invoice #:**

**Product Details:**

**Pallet #:**

**Order #:**

### Definitions

"PALSHIELD™ Laminated flat transparent Polycarbonate and PMMA sheets, abrasion resistant on two sides (hereinafter "the Product") are hereby warranted by PALRAM Industries (1990) Ltd. (hereinafter "the Manufacturer"), subject to any other terms contained herein.

### Scope of Warranty

#### Structural Delamination

The warranty against structural delamination means the partial or total separation of the plastic sheeting from the interlayer laminating material. Criteria: Unlaminated or delaminated areas are considered failure if they exceed 25mm from the edge of the sheet.

#### Coating Failure

The Product shall not display failure in the abrasion resistant coating. Determination of coating failure is when the coating treatment shows signs of flaking from the surface that indicates loss of adhesion between the surface treatment and the substrate, which must be visibly detectable without the aid of instruments. If the coating does not meet these criteria it will not be subject to any form of claim.

#### Abrasion Resistance

The Product will not exhibit an increase in haze more than 15%. Testing criteria: The sample as manufactured shall be abraded according to ASTM D1044-08 (Standard Test Method for Resistance of Transparent Plastics to Surface Abrasion) for 100 cycles with a 500-gram load using a CS-10F wheel.

#### Yellowing and Light Transmission

The warranty against Yellowing and Light Transmission applies only to Clear Transparent PALSHIELD® sheet. The Yellowness Index (YI) of PALSHIELD® sheet (CLEAR ONLY) when cleaned according to the recommendations of the manufacturer shall be less than 5.0 during a five-year period from the date of sale, and shall be less than 10 during a seven-year period from the date of sale as determined according to ASTM E 313-05 modified by the Manufacturer as measured with a Hunter Labs spectrophotometer. The light transmission characteristics of PALSHIELD® sheet, when cleaned according to the recommendations of the Manufacturer shall not decrease (from its initial manufactured value) by more than 5% during a five-year period from the date of sale nor by more than 7% during a seven-year period from the date of sale when tested by the procedure specified in ASTM D1003 modified by the Manufacturer. This warranty is limited to excessive yellowing and light transmission losses due to the degradation of PALSHIELD® sheet and does not cover yellowing or light transmission losses due to dirt, atmospheric deposits, abrasion, or changes in the physical structure of the PALSHIELD® sheet. You should be aware that all glazing and outdoor sign materials are subject to irreversible depositions of atmospheric elements and can be expected to show signs of hazing eventually. Regular proper cleaning will significantly reduce, but not eliminate, that process (see product data sheet for cleaning and maintenance instructions).

#### Commencement Date

The commencement date shall be the date of the Product's manufacture or - if such date does not appear on the product - the date upon which the Product was purchased from the Manufacturer.

#### Limitations

This warranty shall be valid only if the product is handled, stored, cleaned, installed and maintained in accordance with Manufacturer's written instructions.



Installation — This warranty applies only when the Product is used in flat vertical architectural glazing, specifically excluding usage for transportation, outdoor recreational and off-road vehicle applications.

#### **Claims and Notifications**

Every warranty claim must be notified in writing to the Manufacturer within the warranty period and immediately after occurrence of structural delamination, Abrasion Resistance, Yellowing and Light Transmission, enclosing the original sales receipt and this warranty; The claimant must allow the Manufacturer to inspect any or all of the sheets involved and the installation site itself while the sheets are still in their original position and have not been removed or moved or altered in any way and/or return the sheets to the Manufacturer for testing.

The Manufacturer reserves the right to investigate independently the cause of any failure.

#### **Compensation**

If the Product incurs structural delamination, coating failure, exhibits increased haze, or exhibits excessive yellowing or loss of light transmission, in each case within seven (7) years from the commencement date, due to a manufacturing defect and approved by the Manufacturer as such, subject to the definitions and conditions set forth herein, then the purchaser, at Palram option, either (a) receive a replacement sheet, at a reduced cost or (b) receive a partial refund of the original sheet purchase price.

If Palram elects to replace the Product, purchaser must pay 1/84th of the original purchase price for each month from the date of sale until the structural delamination, coating failure, excessive increased haze due to loss of abrasion resistance, excessive yellowing or loss of light transmission, occurred. Palram may instead opt to refund the original Product purchase price minus the pro-rated cost (the pro-rated cost is calculated by adding 1/84th of the original purchase price for each month from the date of sale until the date of structural delamination, coating failure, excessive increased haze due to loss of abrasion resistance, excessive yellowing or loss of light transmission, occurred).

This Manufacturer's warranty does not cover any costs and expenses of removal and installation of sheets or any other direct or indirect loss(es) which may result from the sheet failure.

#### **Jurisdiction**

This limited warranty shall be governed by and shall be construed according to the laws of the State of Pennsylvania, USA. Any claim or dispute related to the product and/or this warranty shall be exclusively brought before the appropriate court in the State of Pennsylvania, USA. Which shall have the exclusive jurisdiction in any such claim or dispute.

THIS LIMITED WARRANTY SHALL BE THE MANUFACTURERS SOLE WARRANTY APPLICABLE TO THE PRODUCT. ANY OTHER CLAIMS FOR DAMAGE OR LOSS, EITHER DIRECT, INDIRECT OR CONSEQUENTIAL, WHATEVER THE CAUSE THEREOF, ARE EXPRESSLY EXCLUDED FROM THE WARRANTY. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, WRITTEN OR ORAL, STATUTORY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS OF A PARTICULAR PURPOSE.