

Makrolon SL Warranty



TEN-YEAR LIMITED WARRANTY

If MAKROLON SL sheet breaks within ten (10) years from the date of sale due to manufacturing defect and subject to the definitions and conditions set forth herein, then the purchaser will receive a free replacement sheet, provided the failed sheet, original sales receipt and this warranty are returned to the original dealer. If a replacement sheet cannot be provided within fourteen (14) days, A&C Plastics, Inc. may opt to refund the original sheet purchase price.

If excessive yellowing or loss of light transmission as defined herein occurs during a ten (10) year period from the date of sale due to manufacturing defect and subject to the conditions set forth herein, A&C Plastics, Inc. will provide free replacement MAKROLON SL sheet to the purchaser or a fabricator designated by the purchaser according to the following schedule. If excessive yellowing or loss of light transmission as defined herein occurs after seven (7) and before ten (10) years from the date of sale due to a manufacturing defect and subject to the conditions set forth herein, A&C Plastics, Inc. will replace the material at a cost to the purchaser of 1/120th of the original cost for each month from the date of sale. The failed sheet, original sales receipt and this warranty must be returned to A&C Plastics, Inc. or the original dealer. If a replacement sheet cannot be provided within fourteen days, A&C Plastics, Inc. may opt to refund the pro-rated cost of the original sheet.

CONDITIONS:

This warranty applies only when MAKROLON SL sheet is used in flat vertical architectural glazing, excluding specifically transportation, outdoor recreational, and off-road vehicle applications, cleaned and installed in frame according to A&C Plastics, Inc. recommendations (see reverse side for cleaning recommendations). This warranty does not cover (re)installation expenses or any other direct or indirect loss(es) which may result from the sheet failure.

Breakage: The warranty against breakage applies only to sheet fabricated, installed, and cleaned according to A&C Plastics, Inc. recommendations. MAKROLON SL sheet is substantially stronger than acrylic and resists impact. However, no material can be described as unbreakable, for it is impossible to account for all types of usage.

Yellowing and Light Transmission: The warranty against loss of light transmission applies only to clear transparent (A00) MAKROLON HYZOD SL sheet with the UV-enhanced surface treatment. The Yellowness Index (YI) of MAKROLON SL sheet (clear only) cleaned according to the recommendations of A&C Plastics, Inc. shall be less than 5.0% during a five-year period from the date of sale, and shall be less than 10% during a ten-year period from the date of sale as determined according to ASTM D1925 (1977) modified by A&C Plastics Inc. as measured with a Hunter Ultrascan spectrophotometer. The light transmission characteristics of MAKROLON SL sheet, cleaned according to the recommendations of A&C Plastics, Inc. 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 or by more than 10% during a ten-year period from the date of sale when tested by the procedure specified in ASTM D1003 modified by A&C Plastics, Inc.

This warranty is limited to excessive yellowing and light transmission losses due to the degradation of MAKROLON SL sheet and does not cover yellowing or light transmission losses due to dirt, atmospheric deposits, abrasion, or changes in the physical structure of the MAKROLON SL sheet. Nor does this warranty cover exposure to adverse or hazardous chemical or environmental substances or conditions as determined by the manufacturer (including but not limited to those identified in the manufacturer's fabrication guide). 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 reverse side for cleaning and maintenance instructions). This warranty does not cover hazing caused by physical abuse including failure to clean according to the instructions on the reverse side.

The warranties stated in this publication are the only warranties made by A&C Plastics, Inc. with respect to MAKROLON SL sheet and are in lieu of all warranties, written or oral, statutory, expressed or implied, including any warranty of merchantability or fitness for purpose.

A&C Plastics, Inc. shall not be liable for any special, consequential, or incidental damages arising out of the use or application of MAKROLON SL sheet whether a claim for damages is based upon warranty, contract, tort or any other legal theory. Under no circumstance shall A&C Plastics, Inc. be liable for any amount greater than the original price purchaser paid for the MAKROLON SL sheet.

The remedies provided herein are purchaser's sole and exclusive remedies.



Service. It's what we deliver.

1.800.231.4175 www.acplasticsinc.com

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NOTICE: This dealer is authorized to fulfill the above obligations of this warranty to the purchaser at the expense of A&C Plastics.

This limited warranty must be completed by the customer at the time of sale.

CUSTOMER NAME: _____

INVOICE NUMBER: _____

DATE OF SALE: _____ A&C Plastics LOT NUMBER: _____

CLEANING PROCEDURES & CLEANING AGENTS

The proprietary UV-resistant surface coating on MAKROLON HYZOD SL significantly improves long-term performance. Periodic cleaning using proper procedures and compatible cleaners is recommended to prolong service life.

For general cleaning, it is recommended that the following instructions and cleaning agents be used.

PROCEDURES:

1. Wash with a mild solution of soap or detergent and lukewarm water.
2. Using a soft cloth or sponge, gently wash the sheet to loosen dirt and grime and rinse well with clean water.
3. To prevent water spotting, thoroughly dry with chamois or cellulose sponge.
4. Avoid the use of abrasive cleaners, squeegees and/or other cleaning implements that may mar or gouge the coating.

AGENTS: CLEANING AGENTS WHICH HAVE BEEN FOUND TO BE COMPATIBLE WITH MAKROLON HYZOD SL SHEET UNDER LABORATORY CONDITIONS

Aqueous Solutions of Soaps and Detergents

Windex¹ Joy² Mr. Clean² Fantastik³ Formula 409⁴

¹Registered Trademark of the Drackett Products Company.

²Registered Trademarks of Procter & Gamble.

³Registered Trademark of Texize, Division of Norton Norwich Products Inc.

⁴Registered Trademark of the Clorox Company.

Organic Solvents

Butyl Cellosolve Hexcel, F.O. 554 Kerosene NelecoÜPlacer Naphtha (VM&P) grade Turco 5042
Alcohols Methanol and Isopropyl Alcohol

All residual organic solvents should be removed with a secondary rinse.

GRAFFITI REMOVAL:

- A. Butyl cellosolve (for removal of paints, marking pen inks, lipstick, etc.). The use of masking tape, adhesive tape or lint removal tools works well for lifting off old weathered paints.
- B. To remove labels, stickers, etc., the use of kerosene or VM&P naphtha are generally effective.

If the solvent will not penetrate sticker material, apply heat (hair dryer) to soften the adhesive and promote removal.

IMPORTANT: If a material is found to be incompatible in a short-term test, it will usually be found to be incompatible in the field. The converse, however, is not always true. Favorable performance is no guarantee that actual end-use conditions have been duplicated. Therefore, these results should be used as a guide only and it is recommended that the products be tested under actual end-use conditions by the user.

Inasmuch as A&C Plastics, Inc. has no control over the use to which others may put this material, it does not guarantee that the same results and those described herein will be obtained. Nor does A&C Plastics, Inc. guarantee the effectiveness or safety of any possible or suggested design for articles of manufacture as illustrated herein by any photographs, technical drawings and the like. Each user of the material or design or both should make his own tests to determine the suitability of the material or any material for the design, as well as the suitability of the material or design or both for his own particular use. Statements concerning possible or suggested uses of the materials or designs described herein are not to be construed as constituting a license under any A&C Plastics, Inc. patent covering such use or as recommendations for use of such materials or designs in the infringement of any patent.