POLYVANTIS

WARRANTY CONDITIONS

LEXAN™ MARGARD™ SHEET FMR5XTIR



TEN (10) YEAR LIMITED WARRANTY ON BREAKAGE & FIVE (5) YEARS ON WEATHERING

LEXAN™ MARGARD™ FMR5XTIR sheet will not break due to loss of impact through weathering within ten (10) year of the date of sale and will not display excessive yellowing and loss of light transmission or incur coating failure (all as defined in herein) through weathering within five (5) year of the date of sale by POLYVANTIS.

This limited written warranty is subject to the following conditions:

1.
This limited written warranty applies exclusively to the color GN8A081T, used correctly as flat cold curved or drape formed glazing, installed, and maintained according to POLYVANTIS recommendations contained in the Technical Manual

2.
This limited written warranty does not apply to sheet that has been scratched, abraded, or exposed to corrosive materials or chemicals.

3.
This limited written warranty is given only to the original purchaser of POLYVANTIS sheet and does not extend to any subsequent purchaser or transferee. Any warranty claim hereunder must be made immediately within the warranty period by specifying the claim in writing and submitting to POLYVANTIS the original sales receipt which must contain the name and address of the purchaser, the date of purchase, the complete product name, the lot number, and the volume purchased. On request of POLYVANTIS claimant must allow the material to be inspected on site and/or return the sheet to POLYVANTIS for testing.

4.
For the purpose of this limited written warranty:
Mechanical properties after 10 years:

a. The modulus of elasticity will be ≥ 1700 MPa. The elastic modulus is measured in the tensile test according ISO 527.
b. The tensile strength will be ≥ 55 MPa. The tensile strength is measured in the tensile test according ISO 527.

Optical properties after 5 years:

a. Yellowing will be determined by subjecting a cleaned sheet sample to Yellowness Index Test ASTM E313: 2010). Any claims for sheet displaying a change in Yellowness Index of less than 6Δ compared with its original value, will not be accepted.
b. Loss of light transmission will be determined by subjecting a cleaned sheet sample to Light Transmission Test ASTM D1003: (2011). Any claims for sheet displaying a loss of light transmission of 7% points or less compared to its original value, will not be accepted.
c. Coating de-lamination will be determined by subjecting a sample to the ISO 2409: (2007) test. Any claims for sheets showing adhesion classification <1 will not be accepted.

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5.

POLYVANTIS reserves the right to investigate independently the cause of failure.

6.

If a claim under this limited written warranty is justified, POLYVANTIS will provide the purchaser with replacement material free of charge. accordance with the following schedule:

Time from Orig. Purchase Date	Mechanical failure	Optical failure
Up to 3 years	100%	100%
in 4th year	90%	50%
in 5th year	85%	15%
in 6th year	75%	-
in 7th year	60%	-
in 8th year	45%	-
in 9th year	30%	-
in 10th year	15%	-

If replacement material cannot be provided within a reasonable period of time, POLYVANTIS may opt to refund the original purchase price paid to POLYVANTIS, or a portion thereof, in accordance with the above schedule. For the avoidance of doubt, claims for excessive yellowing, or loss of light transmission or coating failure through weathering after five (5) year of the date of sale by POLYVANTIS, will not be accepted.

7.

This limited written warranty shall be POLYVANTIS sole liability and customer's exclusive remedy for the products and all other claims for damages are excluded. This limited written warranty is in lieu of all other warranties (except of title), written or oral, statutory, express of implied, including any warranty of merchantability or fitness of purpose. This warranty shall be governed by the laws of the Netherlands.

8.

This limited written warranty has been issued on September 1st, 2024, and is restricted to LEXAN™ MARGARD™ FMR5XTIR material sold by POLYVANTIS after such date and supersedes all previously issued warranties for LEXAN MARGARD FMR5XTIR sheet, sold after said date. The validity of this limited written warranty is restricted to LEXAN MARGARD FMR5XTIR sheet, and this limited written warranty is the sole warranty for LEXAN MARGARD FMR5XTIR sheet.

This warranty is only valid for locations with a maximum annual IR solar radiation of 1700 kWh/m²

POLYVANTIS

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www.polyvantis.com

LEXAN™ POLYCARBONATE FILM & SHEET | Tough, Virtually Unbreakable

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