

THE WORLD'S FIRST THERMOPLASTIC GLAZING MATERIALS WITH CERTIFIED HAIL RESISTANCE

LEXAN™ (PC) SOLID & MULTIWALL Sheet



HAIL SAFETY

SABIC's Functional Forms business offers a wide range of LEXAN™ polycarbonate solid- and multiwall sheet solutions. Now with [certified hail resistance according to strict ACFI specifications](#) for horizontal and vertical glazing. Although exposed to long-term UV-radiation and other forces of nature it will maintain its high hail impact resistance, clearly outperforming other alternatives like traditional glass and standard acrylic sheet.

POTENTIAL BENEFITS



HIGH IMPACT RESISTANCE

Up to 250 times stronger than traditional glass panels, up to 14 times stronger than standard acrylic sheet



PROVEN WEATHERABILITY

Against UV exposure, wind, rain etc. ([ACFI hail certificate](#) upon request)



UV EXPOSURE

Limited written warranty against yellowing and loss of light transmission, [up to 20years](#) for multiwall sheet



REACTION TO FIRE

LEXAN™ Sheets achieves the highest ratings in reaction to fire according EN13501



OUTSTANDING HAIL RESISTANCE

Tests at the SPF Institute (Switzerland) confirmed the excellent behavior to hail resistance of LEXAN™ sheets. Our sheets were tested to the demanding specifications of the Swiss Association of Cantonal Fire Insurers (ACFI) and received outstanding ratings, both our solid- and multiwall sheets achieved the **highest possible rating of HW5** on water tightness.

IN SUMMARY

LEXAN™ Solid & LEXAN™ THERMOCLEAR™ Multiwall Sheet series provides unrivaled protection against potential hail damage while ensuring clear visibility throughout their entire lifespan.

POTENTIAL APPLICATIONS

- Roofing & Façade Glazing
- Industrial & Residential Buildings
- Greenhouses & Bus Shelters
- Cableway Gondolas & Public Transportation



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