

# PROJECT HIGHLIGHT

CASE STUDY



## UNIQUE DESIGN FOR POOL COVERS WITH SYSTEM SLIDING ROOF

Most of the outdoor pools are only used 2-3 months in a year due to the divers climate of Korea. The convertible sliding pool cover enables customers to use the pool 365 days per year and provides efficiency of space utilization.

It's the ideal situation to keep a clear and open view during swimming, but also protects the water from dirt and leaves, but most of all you can enjoy a nice swim anytime you like!



### PRODUCT SOLUTION:

SABIC's 2 sides UV resistant LEXAN™ Multiwall and LEXAN™ Solid sheet can be used to solve the yellowing of plastics in outdoor exposure and gives an excellent weight reduction and design freedom of the roof construction.

The roof enables a compact and integrated design of the sliding system, is light weight and can also provide an air heating system for cost-saving while heating up the pool water.

### PRODUCT AVAILABILITY

GRADE NAME	GAUGE (MM)	WIDTH (MM)	LENGTH (M)	COLOR
LT2UV102RS MWS sheet	10	Max. 2100	max. 18	transparent*
LX2 SOLID sheet	4.5	1220 / 2050	max. 12	transparent*

\*other colors on request

## PRODUCT BENEFITS:



**EXTREMELY HIGH IMPACT STRENGTH**  
Virtually unbreakable



**EASY TO CLEAN AND DISINFECT**  
Withstands repeated cleaning with common cleaning agents



**WARRANTY**  
10 years warranty against breakage



**EXCELLENT LIGHT TRANSMISSION**  
Transparency up to 90%



**EASY TO INSTALL**  
Ease of handling and installation



**CHEMICAL RESISTANCE**  
Resistant to most moderate chemicals



**LIGHTWEIGHT**  
Outstanding light weight advantages



**FLAME RETARDANT**  
Excellent fire performance



**THERMOFORMABLE**  
Applicable for cold line bending



## RESULTS

SABIC's product solutions can be easily used into a variety of pool covers. It's lightweight, 2 sides UV protected and 250 times stronger than standard glass, these product benefits of LEXAN™ Polycarbonate (PC) sheet makes it the perfect candidate for these pool roofing applications.

## LEXAN POLYCARBONATE SHEET VIDEOS



IMPACT PERFORMANCE



FIRE PERFORMANCE



CLEANING PERFORMANCE

## MORE INFORMATION:

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