

# PROJECT HIGHLIGHT

CASE STUDY



## SHANGHAI'S AVIATION TOWER - A CURVED CURTAIN WALL OF TWO PODIUMS WITH LEXAN™ EXELL™-D SHEET

A pair of 200 meter tall Towers in the Xuhui District in Shanghai will be the cities main attractor and will boost and promote their new World Class Development & Exhibition center with incorporated (AI) artificial intelligence system into the towers. Artificial intelligence will become the new engine to drive the more beautiful life and more efficient urban governance of global cities in the next decade.

### PRODUCT SOLUTION:

For this architectural project we delivered 15 mm transparent (112) **LEXAN™ EXELL™-D sheet** for the highly modern and decorative faced curtain wall of the building. The polycarbonate sheet is combined with grey aluminum plates inside on the floor and presents the frame visual effect on the facade.



### PRODUCT FEATURES:

- Excellent heat insulation performance
- High Impact resistant
- Thermoformable
- Light weight for easy installation
- Excellent fire performance
- Mechanical properties
- 10 year limited warranty
- Excellent weathering properties





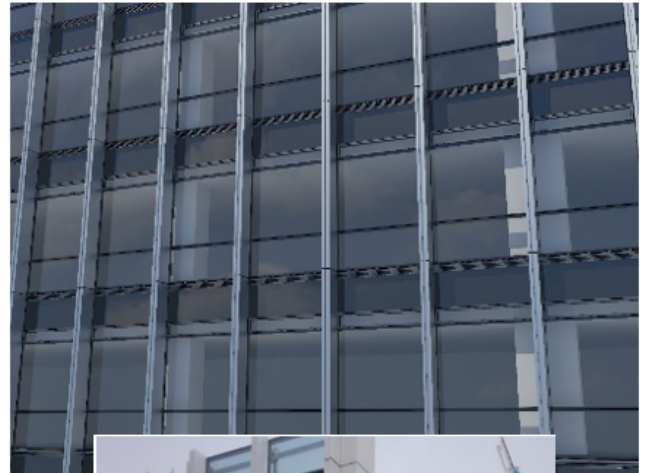
## LEXAN™ (PC) sheet low thermal conductivity moisture-related benefits:

Measured parameter	LEXAN (PC) SHEET	GLASS
Inside glazing temperature (°F), with ambient of 32°F	63°F	54°F
Relative humidity (%) when fogging begins	53.4%	43.7%
Relative humidity (%) when fogging glazing is "strongly fogged"	58.5%	48.8%

## PROJECT HIGHLIGHTS

Next to the product features, we delivered technical support on wind-loading capabilities, installation guidelines and flame retardant properties. These together with the lead time and variable sizes SABIC's **LEXAN™ EXELL™-D sheet** suited perfectly to this architectural design.

This unique solid sheet is amongst the most extensive on the market today, offering hundreds of possible combinations of structures, colors, coatings and finishes.



## MORE INFORMATION:

### SABIC

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