



Safety & Security Window Film: Reference Case

Reduced risk of injury in case of spontaneous glass breakage

“Balcony glass broke without obvious cause at the Al Aryam Tower. Sentinel Plus 4 Mil Clear now ensures that the glass can be contained together, protecting people from getting injured.” Marcellino Souaid, Market Manager Saint-Gobain Solar Gard

PROJECT INFORMATION

Building & Location:

Al Aryam Tower
Abu Dhabi, UAE

Problem:

Injury potential due to risk of spontaneous glass breakage

Solution:

Solar Gard® Sentinel Plus
4 Mil Clear / 1 500 m²

Solar Gard Partner

Pentagon Filmtek

Year of installation:

2021

Al Aryam Tower is a busy multi-tenanted building located in Abu Dhabi, UAE. There is a periodic issue with the balcony glass rails which apparently break without warning or any obvious cause. In some cases, the broken glass falls from the balcony to the ground creating an extremely dangerous and risky environment. After inspecting the building and discussing the issue with International Capital Trading (ICT) Company, it was decided that the balcony glass rails have a spontaneous glass breakage problem. In order to minimize the risk of injuries from glass breakage and

protect residents and pedestrians from shattered glass, Pentagon Filmtek FZE offered a solution from Saint-Gobain Solar Gard to install Sentinel Plus 4 mil Clear on the tempered glass with an attachment system of a structural Silicone Sealant. Sentinel Plus 4 mil Clear, a 100 micrometer (0.1mm) clear/transparent film, is installed externally on glass to hold/contain the glass together in the event of spontaneous breakage or impact, reducing the risk of people getting injured from glass shards.

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