

Producing translucent self cleaning glass and its use in rephrasing architectural glass façades

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Key words

1=Self cleaning glass 2= rephrasing architectural façades 3= bus stations.

Abstract:

An experimental research was carried out to produce translucent self cleaning glass by Sol Gel process, the research based on decreasing environmental pollution and safe the lives of glass cleaners. Translucent self cleaning glass (TSCG) achieves aesthetics and functionality to the architectural façades. 15 glass species were produced 25 × 75 mm and characterized by scanning electron microscope (SEM) and contact angle measurements, the results were discussed. The surrounding environment and architectural pharaonic façade style were taken into consideration in rephrasing the architectural glass façade of El Torgoman bus station and its mall skylight, two design ideas were done (8 ref.).

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