

#GPD2018

# ALL EYES ON GLASS.

GLASS PERFORMANCE DAYS 2018  
17 APRIL, 2018, SHANGHAI, CHINA



## APPLICATION PROSPECTS OF LIGHT-ADJUSTING GLASSES

### ABSTRACT

Electrochromism, thermochromism, and gasochromism are three major kinds of typical light-adjusting glass techniques. This article has compared the differences of their technical features, summarized application situations at present time, and predicted development prospects in the future. Along with energy-conservation and intellectualization trends of global buildings, light-adjusting glasses will enter the mass market gradually. Plenty of opportunities will emerge in the fields of windows/doors, smart glass curtain walls, and skylight of new smart buildings, energy-saving reconstruction of glass windows in the existing buildings, automobile windows, express train windows, and as well as airplane windows.

### 调光玻璃的应用展望

摘要：电致变色、热致变色、气致变色是三种典型的调光玻璃技术。本文比较了它们的技术特点，总结了目前的应用情况，并展望了未来的发展前景。随着全球建筑节能化和智能化的发展趋势，各种调光玻璃产品将逐渐进入大众市场，在新兴智能化建筑的门窗、大厦幕墙、采光天顶，既有玻璃幕墙门窗的节能改造，和汽车车窗、高铁窗户、飞机窗等应用领域都将大有作为。



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