

## SHATTERPROOF GLASS

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### ABSTRACT

The presentation will focus on making shatter proof glass. These will enable building owners and designers to better understand the performance of shatterproof glass as means of reducing risk of personal injury and physical damage to a facility.

An increasing number of commercial projects in major metro Politian areas are also incorporating requirements for shatterproof glass. In addition to security concerns everyone is seeking enhanced performance. As this trend continues to develop shatterproof glass will need to deliver both security and performance.

**Keywords:** MetroPolitian, Shatterproof.

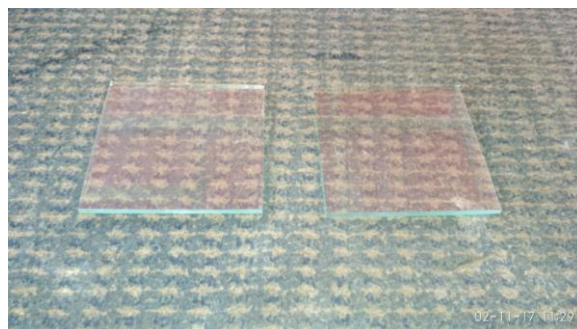
### I. INTRODUCTION

As means of keeping people and property safe, shatterproof glass is used in variety of building types and can offer a range of protection features. Because these features vary from intrusion, hurricane resistance. Shatterproof glass is a catch all phrase that can define a multitudes of solutions. From a product development stand point, shatterproof glass have expanded over the years to include laminated glazing materials, applied films and shades. In order to specify the appropriate security glazing solution it is necessary to make assumptions about the level of performance required to resist the anticipated threat. Test methods and specifications have been developed to address many threat scenarios and software programs can speed up the process of selecting the proper type and thickness of security glazing.

### II. CONCEPT

Making shatterproof glass by applying a layer of resin between two sheets of glass.

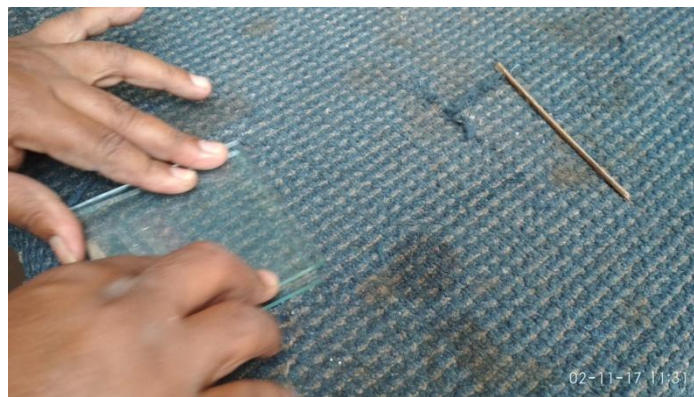
### III. PROCEDURE



1. Clean the surfaces of both glasses by applying a cleaner (like Part B of Bond Tite) to ensure even application of the paste.
2. Apply glue (like Part B of Bond Tite) on one of the glasses.



3. Mix both the solution and place other glass on it. Spread the solution evenly between surfaces.



4. The glue can be hardened under UV-Rays. It can also be done by keeping it in the sun.



#### **IV. ADVANTAGES**

1. Prevent Break-ins:- Shatterproof windows have proven to be a great asset when a burglar is attempting to break into a home.
2. Eliminate accidents:- Shatterproof glass prevent injuries when children break your window by playing or you have an accident.
3. Reduce the instance of weather related damage.by installing shatterproof windows you can effectively reinforce your home from tornados and other weather related protections.
4. Reduce energy cost:- you can purchase tinted shatterproof glass which can reduce the need for air-conditioning during summer months.

#### **V. CONCLUSION**



Installing Shatterproof glass can be very costly. But by this method it can be done in very low cost. Even if it does not provide security, it can prevent you against injury. The glass does not break into granules. It develops only cracks.

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