



# FIRE-RATED FIRESWISS™ LAM20

## LAMINATED GLASS FOR SAFE SCHOOLS

Historically, many school doorways have been glazed with tempered glass. Analysis of incidents such as Sandy Hook has led many school districts to consider glazing doors with laminated glass instead.

Tempered glass is a safety glass, but it does not offer significant security against forced entry.

When tempered glass is broken, it is designed to break into small pieces of glass in order to minimize cutting and piercing injuries. This makes it a safety glass. But when it breaks into small pieces it easily falls out of the door, leaving the door completely unsecured.

Analysis of school shooting incidents shows that use of tempered glass in doors has allowed the shooter to gain access to classrooms despite being locked down. The shooter simply breaks the glass and either reaches around to open the door from the inside or simply walks through the opening where the tempered glass was.

This makes tempered glass an ineffective choice for schools trying to secure their doors.

Families of Sandy Hook victims have filed a lawsuit against the town and school board over their failure to use the right glass in school doorways. The shooter was able to shoot his way into the school and classrooms through the doorway glass.



Laminated glass offers much more security than tempered glass. While laminated glass can be cracked when sufficient force is used against it, the design of laminated glass is such that it is much more likely to remain in place in the door opening. Laminated glass consists of one or more layers of glass and one or more interlayers. Laminated glass can crack, but it doesn't immediately fall out of the opening like tempered glass. Depending on the glass used, bullets may or may not pass through the glass, but the glass will generally remain in place. So the shooter cannot immediately gain access to the room by "shooting out the windows".

Laminated glass does a much better job resisting forced entry and keeping the doorways secure.

Laminated glass is available for almost any door application. Standard laminations are suitable for standard doors, and special fire-rated laminations are available for fire doors.

A very common application in schools is the 20 minute or 45 minute fire-rated interior doors. Special fire-rated laminations like **FIRESWISS™ LAM20** and **SCHOTT PYRAN Platinum L** from Glassopolis are available for these applications. For enhanced fire protection and security applications very specialized laminations such as **FIRESWISS™ Secure** are available.

Laminated fire-rated glass is your best choice for secure fire-rated doors in schools. Without it, your lockdown procedures are easily bypassed. Let's learn from Sandy Hook. Specify laminated fire-rated glass.

*FIRESWISS™ is a trademark of Glas Trosch AG*

FAST QUOTES. PROMPT DELIVERY. EXPERT SERVICE. FLEXIBLE PAYMENT TERMS.

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