

WHAT ARE WARP AND SHOW-THROUGH OF DOORS?

All of our doors are guaranteed for life against Warp and Show-Through, regardless of the construction of the specific door.



What is the warp of the door ?

- **Fields of application**

This term applies to the quality of finishing and to the surface covering (veneer) of the doors.

- **Definition**

Visually there is a twisting of the door surface which will be seen as a curvature or a buckling (from the effect on internal stresses).

- **Probable causes**

Stiles and rails not bonded to the core. This is to say that the stiles and rails are not glued to the core of the door before the crossband and veneer are applied. As a

result in a very short time, the “floating” stiles and rails, combined with changing factors of temperature, humidity and use, will cause the warp of the door.

Quality of frame installation. A frame that is not properly installed is a definite cause of warp or twisting of the door.

Components having variable levels of humidity. The internal and external components having varying levels of humidity are also the cause of the warping phenomenon in doors.

What is the Show-Through of a door?

- **Field of application**

This term applies to the quality of finishing and to the surface covering (veneer) of the doors.

- **Definition**

The phenomenon of Show-Through is caused by irregularities of internal components that visually are seen as a perceptible unevenness of the veneer.

- **Probable causes**

Stiles and rails not bonded to the core. That is to say that the stiles and rails are not glued to the core of the door before the crossband and veneer are applied. As a result, in a very short time, the “floating” stiles and rails are perceptible on the veneer or surface covering of the door.

Absence of structural calibration (polishing by sanding of surface). The calibration of the internal structure of the door is, in fact, the sanding of its different components once it has been assembled and bonded. The calibration is done before installing the crossband and the veneer. The absence of the calibration of the internal structure is the probable cause of the appearance of unevenness on the surface covering (veneer) of the door. In contrast, adequate structural calibration eliminates all unevenness or irregularities, and avoids the phenomenon of show-through on the veneer of the door.

In conclusion

Stiles and rails bonded to the core, combined with internal structural calibration remain the factors that almost completely eliminate the phenomenon of show-through of doors. They are equally factors that have a direct impact on the quality level of the product.