

Adhesive bonding on coated wood

Extension of the ift-standard VE-08/4.

RC 2 „resistance class“

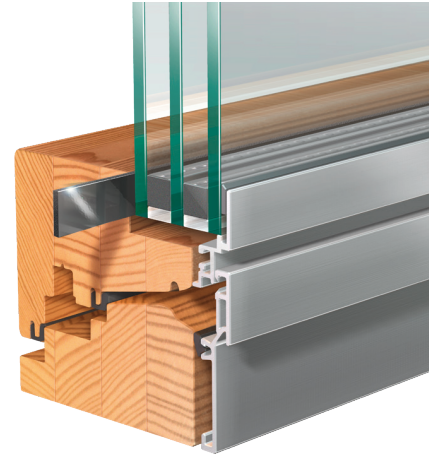
Break-in resistance for private housing – with adhesive tape at the glass stop.

Why bonding?

- Uniform transfer of loads within the frame construction
- Increased dimensional stability for large formats as well as narrow and high elements
- Discharge of frame corners, fitting components and insulating glass

What are the testing options for window elements?

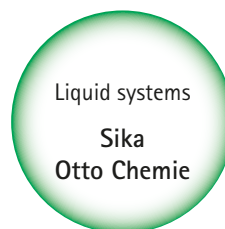
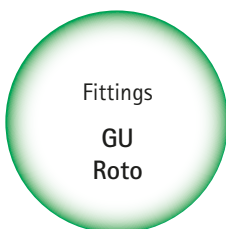
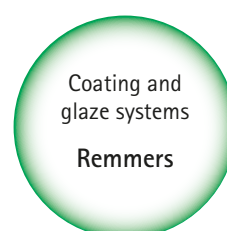
- After the evaluation of over 6000 specimen, standard VE 08/4 could be complemented by part 5 „Extention of part 1 – bonding on coated wood“
- Now, after about two years of development, testing according to the ift-standard VE 08/4 is possible for coated window frames as well
- To determine the basis, 15 coating systems with two respective bonding systems per manufacturer were tested on five types of wood, according to the forced and standard drying of the coats
- A roll peel test was used as a four-fold testing method



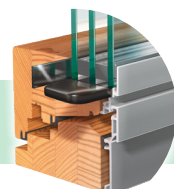
Window bonding with a system



ask the best



RC 3 „resistance class“ break-in resistance for advanced private requirements. With rebate bonding and adhesive tape at the glass stop.



Smart use of adhesive tapes

What are the advantages of adhesive bonding on wood coatings?

- Bonding and sealing with just one tape (e.g. wood / aluminum elements no longer require interior wet sealing)
- High initial tack
- Resistance against UV-light, aging, weather, plastisizers and cleaning agents
- DuploTEC® Cleaner U for cleaning surfaces (1l container)
- Hand applicator for a perfect and easy application of the tape

What is to be considered for adhesive bonding on wood coatings?

- Remove stains on the glass fringes, e.g. with a glass scraper
- Clean the glass surface with DuploTEC® Cleaner U
- Clean the coated wooden surface by means of our DuploTEC® Cleaner U
- Easy application of the adhesive tape with our Lohmann hand applicator

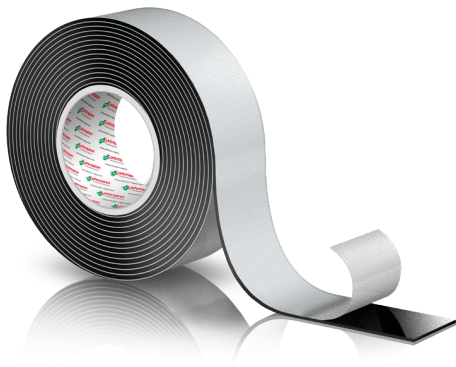
Version 1

- Remove liner shortly before bonding the insulating glass pane
- Apply setting blocks crossly
- Insert glass pane
- Position glazing blocks correctly
- Mount glassing beat

Version 2

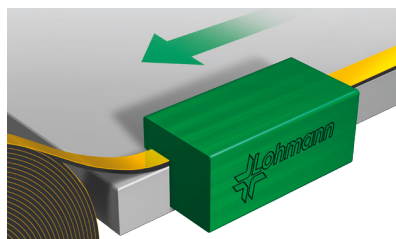
- Loosen and fold down the liner in the corners
- Insert glass pane
- Position and block the glass pane
- Remove liner from the opposite side (pull out)
- Mount glassing beat

The adhesive tape



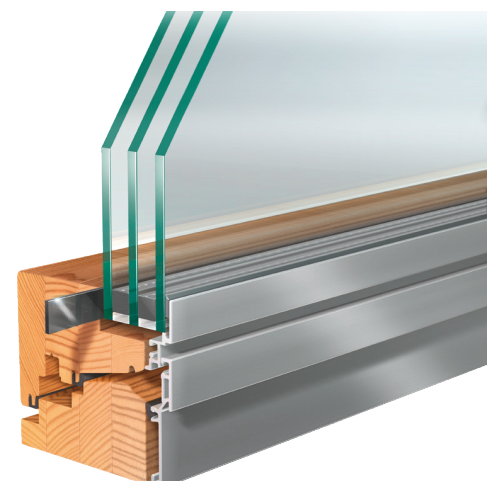
DuploCOLL® 56056

The processing tool



Lohmann hand applicator

The result



Click here for our video on YouTube -
Lohmann SDG® static direct glazing in wood and wood-aluminum windows

Processing procedure

Information on the processing of wooden profiles.



1. Remove stains on the glass fringes, e.g. with a glass scraper



2. Clean the glass surface with DuploTEC® Cleaner U



3. Clean the coated wooden surface to be bonded with DuploTEC®-Cleaner



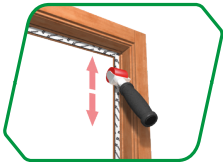
4. DuploCOLL® 56053 / 56055 means of the hand applicator



5. Corner design can be butt jointed, miter or slightly offset



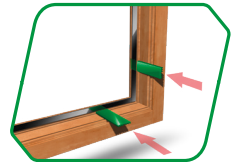
6. * Insert an additional sealant point



7. Press on the adhesive tape with the help of a pressure roller



8. Remove liner



9. Position glazing blocks correctly



10. Insert glass pane



11. Push in the glazing blocks



12. Mount glass strips



8.1 Loosen and fold down the liner in the corners



10.1 Insert glass pane



11.1 Position glass pane and glazing blocks



12.1 Remove liner from opposite side, pulling it out as flat as possible (~180 degrees)



13.1 Mount glass strips

More adhesive bonding know-how:

www.architecture-bonding.com
www.meesenburg.shop
www.vbh24.de

