

HDF HOMADUR® ALU-CLIMATE DOOR SKIN

APPLICATION

HDF HOMADUR® ALU-CLIMATE DOOR SKINS are used in the door industry for the following applications:

- Apartment entrance doors
- Burglar-resistant doors
- Climate-control doors
- Smoke control doors
- Fire doors



PRODUCT

HDF HOMADUR® ALU-CLIMATE DOOR SKINS are composite elements featuring specially developed HDF boards and an inner core made of aluminum. With HDF HOMADUR® ALU-CLIMATE DOOR SKINS, door systems of climate class B + C (in accordance with DIN EN 1121 and 12219) or climate class II + III (in accordance with RAL-GZ 426) can be realised.

STRENGTHS

- High intrinsic stability
- Problem-free surface finishing
- Tension-free composite element, therefore exceptionally flat
- Fire and burglar-resistant

TECHNICAL SPECIFICATIONS

Format tolerances can be found in the separate TOLERANCE DATA SHEET. Physical properties can be found in the separate TECHNICAL DATA SHEET. They are available upon request.

Thickness:	3.4–9.0 mm
Thickness tolerance:	± 0.2 mm
Aluminum thickness:	0.3 mm; 0.5 mm
Finish:	sanded on both sides with 120 grit
Gluing:	PUR adhesive PVAC glue (D3) for oversizes (width > 1.3 m; length > 3.2 m)
Aluminum quality:	AL 99.5 according to EN AW-1050 AH24 DIN EN 485/573

PROCESSING

After HDF HOMADUR ALU-CLIMATE DOOR SKINS have been stored in an environment with high air humidity and low temperatures, they should be acclimatised before processing in the hall where the pressing takes place. A sheet temperature of at least 15 °C is required for processing. We recommend that the door blank be left to rest for at least 24 hours after pressing before further processing, such as formatting and profiling.

PROCESSING PARAMETERS DURING PRESSING

Specific pressure: max. 2.5 kg/cm²
Pressing temperature: max. 110 °C

STORAGE

HDF HOMADUR® ALU-CLIMATE DOOR SKINS should be stored in closed, well-ventilated and temperature-controlled areas.

PLEASE NOTE:

The recommendations stated here must be confirmed in advance by the customer through individual trials. These processing instructions have been created using the best of our knowledge and with great care. No liability can be assumed for printing errors and mistakes. The most recent processing instructions apply. The content cannot be used as a legally binding basis.