

# HDF HOMADUR® RAW

## Alu-Climate Door Skin

### TYPES OF APPLICATION

These boards are used in the door industry for the following:

- Apartment entrance doors
- Burglar-resistant doors
- Climate doors



### PRODUCT

HDF HOMADUR® Raw Alu-Climate Door Skin is a composite element with a specially developed HDF board and an inner core made of sheet aluminium.

### STRENGTHS

- High inherent stability
- Ideally suited to surface finishing
- Stress-free composite element, therefore absolutely flat
- Fire and burglar retardant

### SPECIFICATIONS

HDF HOMADUR® Raw Alu-Climate Door Skins are tested in accordance with DIN EN 622 part 1 and 5 and have the following data at dispatch:

<b>Thickness:</b>	3.5–8.5 mm
<b>Dimensions:</b>	As requested, edge-planed, also available not edge-planed upon request
<b>Transverse tensile strength at a residual moisture:</b>	≥ 1.1 N/mm <sup>2</sup>
<b>Thickness tolerance:</b>	5 ± 1%
<b>Surface:</b>	± 0.2 mm
<b>Gluing:</b>	Sanded on both sides with 120 grit PUR glue
<b>Thickness of aluminium:</b>	0.3 mm, 0.5 mm oder 1.0 mm
<b>Quality of aluminium:</b>	AL 99.5 as per EN AW-1050 A H24 DIN EN 485/573

### PROCESSING

After longer periods of storage at low temperatures and in humid conditions, HDF HOMADUR® Alu-Climate Door Skins must first be allowed to acclimatise for at least 24 hours in the production hall before the pressing process commences. When processing the fibreboards, the temperature of the boards should be 15°C or higher. Before any further processing, such as edge-planing or profiling, is carried out, the finished door blank should rest for at least 24 hours or at least be cooled down using a star cooler, for example.

### PROCESSING PARAMETERS

<b>Processing temperature:</b>	max. 110 °C
<b>Spec. pressure:</b>	max. 2.5 kg/cm <sup>2</sup>
<b>Press time:</b>	max. 3 minutes

### STORING

The HDF HOMADUR® Raw Alu-Climate Door Skin should be stored in closed, well-ventilated, temperature-controlled rooms.

### PLEASE NOTE

For further information please see the general specifications of HDF HOMADUR®. The information above is provided to the best of our knowledge, but no liability can be inferred.