

## HDF HOMADUR® Raw Aluminium Climate Door Skin Technical information



### 1. The Product

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

### 2. Specifications

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

<b>Thickness:</b>	3.5 mm – 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>	± 0.2 mm
<b>Surface:</b>	Sanded on both sides with 120 grit
<b>Gluing:</b>	PUR glue
<b>Thickness of aluminium:</b>	0.3 mm, 0.5 mm or 1.0 mm
<b>Quality of aluminium:</b>	AL 99.5 as per EN AW-1050 A H24, DIN EN 485/573

### 3. Processing instructions

After prolonged storage of the HDF HOMADUR® Raw Aluminium Climate Door Skin in an environment with high humidity and low temperatures, the HDF HOMADUR® Raw Aluminium Climate Door Skin should be acclimatised for at least 24 hours in the hall where the pressing will take place.

The HDF HOMADUR® Raw Aluminium Climate Door Skin can best be processed at a board temperature of 15° C or higher. Before further processing, such as edge-planing or profiling, the finished door blank should be left for 24 hours if possible, or at least cooled down over a star cooler or similar.

### 4. 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

### 5. Advantages of the HDF HOMADUR® Raw Aluminium Climate Door Skin

- High inherent stability.
- Easy surface finishing, such as varnishing, spray lacquering, laminating, veneering, etc.
- Stress-free composite element, therefore completely flat.
- Fire and burglary retardant.
- Available primed.

### 6. Storing the HDF HOMADUR® Aluminium Climate Door Skin

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

### 7. 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.

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