HOMANIT

HDF HOMADUR® RAW
Alu-Climate Door Skin

TYPES OF APPLICATION

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

- Apartment entrance doors
- House entrance doors
  (only in combination with door skin type 71)
- 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:

Thickness:	3.5–8.5 mm
Dimensions:	As requested, edge-planed, also available not edge-planed upon request
Transverse tensile strength at a residual moisture:	≥ 1.1 N/mm²
	5 ± 1%
Thickness tolerance:	± 0.2 mm
Surface:	Sanded on both sides with 120 grit
Gluing:	PUR glue
Thickness of aluminium:	0.3 mm, 0.5 mm oder 1.0 mm
Quality of aluminium:	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

Processing temperature:	max. 110 °C
Spec. pressure:	max. 2.5 kg/cm²
Press time:	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.

SALES DEPARTMENT
HOMANIT GmbH & Co. KG
Postfach 1253 · 37402 Herzberg am Harz, Germany
Phone +49 5521 84-278 · Fax +49 5521 84-179
info@homanit.de · www.homanit.de

GL ISO 9001 GL Systems Certification

Version 9, April 2013

HOMANIT

HDF HOMADUR® RAW
Radiation Protection Door Skins

TYPES OF APPLICATION

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

- Radiation protection doors (with lead inlay)

PRODUCT

HDF HOMADUR® Raw Radiation Protection Door Skin is a composite element with a specially developed HDF board and an inner core made of lead.

STRENGTHS

- High inherent stability
- Ideally suited to surface finishing
- Stress-free composite element, therefore absolutely flat
- Fire and burglar retardant
- Radiation Protection Door Skins: the lead equivalent value is DIN 6812. The above-mentioned standard requires that the planners and the x-ray equipment manufacturer prepare a radiation protection plan, which must be used as the basis for all protective measures.

SPECIFICATIONS

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

Thickness:	Final thickness on request
Dimensions:	Upon request
Transverse tensile strength at a residual moisture:	≥ 1.1 N/mm²
	5 % ± 1%
Thickness tolerance:	± 0.2 mm
Surface:	Sanded on both sides with 120 grit
Gluing:	D3 glue
Thickness of lead:	0.5; 1.0; 1.5 mm, (other thicknesses upon request)
Quality of lead:	Pb 99.94 Cu as per EN 12588

PROCESSING

After longer periods of storage at low temperatures and in humid conditions, HDF HOMADUR® Radiation Protection 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

Processing temperature:	max. 110 °C
Spec. pressure:	max. 2.5 kg/cm²
Press time:	max. 3 minutes

STORING

The Radiation Protection 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.

SALES DEPARTMENT
HOMANIT GmbH & Co. KG
Postfach 1253 · 37402 Herzberg am Harz, Germany
Phone +49 5521 84-278 · Fax +49 5521 84-179
info@homanit.de · www.homanit.de

Version 7, April 2013