



HDF HOMADUR® Raw Radiation Protection Door Skin Technical information



1. The 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.

2. Specifications

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

Thickness:	Final thickness on request
Dimensions:	Upon request
Transverse tensile strength at a residual moisture:	$\geq 1.1 \text{ N/mm}^2$
Thickness tolerance:	$5\% \pm 1\%$
Surface:	$\pm 0.2 \text{ mm}$
Gluing:	Sanded on both sides with 120 grit
Thickness of lead:	D 3 glue
Quality of lead:	0.5; 1.0; 1.5 mm, other thicknesses upon request
	Pb 99.94 Cu as per EN 12588

3. Processing Instructions

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

The HDF HOMADUR® Raw Radiation Protection 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

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

5. Advantages of the HDF HOMADUR® Raw Radiation Protection 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.
- Radiation retardant, lead equivalent value: DIN 6812. According to the standard specified above, a radiation protection plan written by the manufacturer of the X-ray equipment and planners should be the basis of all structural safety measures.

6. Storing the HDF HOMADUR® Radiation Protection Door Skin

The Radiation Protection 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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