



deko FireSafe®  
 composite panel

## Product description

The deko FireSafe® composite panel is a high-quality lightweight panel consisting of a mineral-bonded expanded glass carrier board with excellent test results and the patented deko FireSafe® glass-reinforced laminate. The front side features a decorative surface, while the back one has a stabilising layer in the form of a deko FireSafe® laminate. This symmetrical composite panel brings together the advantages of a non-combustible, lightweight support-ting panel with top-quality, double-sided surfaces.

## Composition

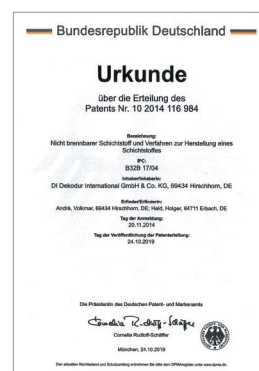
- Front: deko FireSafe® laminate (decorative surface)
- Core: mineral-bonded expanded glass lightweight building panel (PUR-TEC fire-resistant panel)
- Back: deko FireSafe® laminate (stabilising layer)

## Laminate options

1. Melamine decorative surfaces:	2. Genuine metal surfaces:
<ul style="list-style-type: none"> <li>■ Unicolour surfaces</li> </ul>	<ul style="list-style-type: none"> <li>■ Material: aluminium</li> </ul>
<ul style="list-style-type: none"> <li>■ Wood surfaces</li> </ul>	<ul style="list-style-type: none"> <li>■ Product line: Starline</li> </ul>
<ul style="list-style-type: none"> <li>■ Imaginative surfaces</li> </ul>	<ul style="list-style-type: none"> <li>■ Thickness: 1.2 mm</li> </ul>
<ul style="list-style-type: none"> <li>■ Thickness: 0.6 mm</li> </ul>	<ul style="list-style-type: none"> <li>■ Thickness tolerances +- 0.18mm</li> </ul>
<ul style="list-style-type: none"> <li>■ Thickness tolerances +-0.15mm</li> </ul>	

### Characteristics

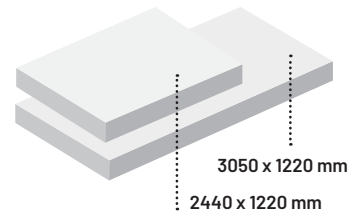
- Non-fading**
- Resistant to chemicals**
- Food safe**
- Resistant to cleaning agents**
- Non-flammable**
- Shockproof**
- Wear-resistant**
- Graffiti-resistant**



Ausgezeichnet mit dem pro-K award Produkt des Jahres 2016.

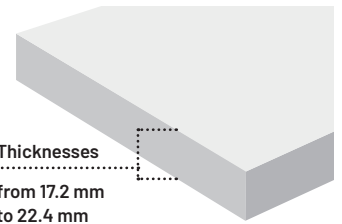
## Dimensions and weight

- Standard size: 3050 mm x 1220 mm
- Thicknesses: 16 mm and 18 mm
- Alternative size: 2440 mm x 1220 mm (on request)
- Other sizes available on request
- Total thickness: 17.2 mm bis 22.4 mm (depending on the laminate thickness selected)
- Weight per unit area: approx. 11.6 kg/m<sup>2</sup> bis 17.8 kg/m<sup>2</sup> (depending on the laminate thickness selected)



## Reaction to fire

Classified according to EN 13501-1:  
A2-s1-d0 – non-combustible



## Physical properties

■ Apparent density of supporting panel:	650 kg/m <sup>3</sup> ± 10%
■ Resistance to withdrawal of screws:	530 N ± 10% gemäß DIN EN 320 (2011)
■ Tensile strength:	0.40 MPa DIN EN 789 (2005)
■ Flexural strength:	0.90 MPa DIN EN 789 (2005)
■ Change in length in line with DIN EN 318 (2002):	0.17 mm/m <sup>2</sup> DIN EN 318 (2002)

## Distinguishing features

- Lightweight yet highly stable construction
- Mineral-bonded expanded glass carrier board with excellent test results
- Patented DekoFireSafe glass-reinforced laminate
- Wide range of surfaces available (melamine or genuine metal)
- Ideal for projects with stringent requirements regarding fire protection and weight reduction

## Surface properties (DekoFireSafe laminate)

- Non-fading
- Resistant to chemicals
- Food safe
- Resistant to cleaning agents
- Shockproof
- Wear-resistant
- Graffiti-resistant
- Large variety of design options (unicolour, wood-based or imaginative surfaces, genuine aluminium)

## Processing

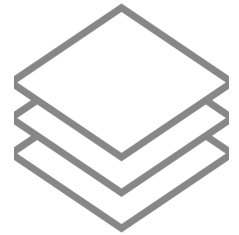
- Can be processed using all conventional woodworking machines and machining centres
- The use of carbide-tipped tools is recommended
- Screwable and bondable with suitable non-combustible adhesives
- Symmetrical construction ensured by double-sided coating

## Use cases

- Cladding for emergency exits and escape routes
- Staircases
- Manholes
- Switch cabinets
- Electronics bays
- Public facilities
- Furniture construction
- Large venues
- Lightweight construction projects with stringent requirements regarding fire protection

## Storage

- In enclosed spaces at 18–25°C and 50–60% relative humidity
- With full-surface contact and horizontal at a distance of 200 mm from the ground
- Keep away from moisture and direct sunlight
- Wrap in PE film to store



**Attention:** Protective films are equipped with rubber adhesives. On HPL panels, these are used solely for protection during transport and should be removed before further processing (e.g., pressing onto chipboard/MDF panels); they are UV-sensitive and must not be exposed to direct sunlight or overhead light, as this can damage the film and leave residues on the HPL surface.

## Cleaning and maintenance

- Clean with a clean cloth, soft, damp sponge or soft brush
- Use water mixed with washing powder, soft soap or curd soap
- Use a melamine sponge for tougher stains
- Avoid abrasive cleaning agents



## Disposal

- Landfilling in compliance with local waste legislation
- Classified as „other hardened plastic waste“ (TA-Abfall Technical Directives on Waste Control, Category I, No. 571)



## Disclaimer

This data sheet is based on the properties of the individual components. The precise data for the composite panel may vary slightly and should be confirmed using specific tests. The total thickness and weight per unit area vary depending on the laminate thickness selected for the front and rear sides. If you have any special requirements relating to sizes, surfaces or properties, please get in touch with our customer service team.

## Any questions?

Then please contact our service department. If you need visual samples, you can request them in the form of sample chains or hand samples in DIN A5 or DIN A4 from Dekodur®.

☎ +49 (0) 6272 / 689 - 0 🖨 +49 (0) 6272 / 689 - 30

✉ info@dekodur.de 🌐 www.dekodur.com