

# Technical Data Sheet

deko FireSafe® Metal Lightweight Board Interior A1  
(Verolith® carrier board + metal coating)

# dekodur®



deko FireSafe®  
A1 metal composite elements  
DIN EN 13501-1

## Product Description

### Characteristics

**Use** For indoor use.  
Versatile, non-flammable, lightweight and easy-to-process aluminium composite element coated on both sides.  
To be used preferably for ship interior finishing and indoor areas.

### Characteristics

**Characteristics**  
Non-combustible  
Low weight  
Mineral material

### Advantages

Versatile range of use  
Mineral bonded lightweight board  
Eco-friendly

### Material description

The carrier board is made of a material that consists of approx. 80% bloated Verolith® and has been bonded with mineral bonding agents.  
This board is coated with aluminium on both sides.

### Dimensions/Thickness


Board thicknesses: 16 mm, further board thicknesses on request  
Standard dimensions: 2400 x 1200 mm

### Visual appearance

Metallic look after colour selection

**Possible surface finishes** See deko FireSafe® colour selection

## Specifications\*

Criterion	Standard	Value/Unit
Raw density		approx. 630 kg/m <sup>3</sup>
pH level		9 – 10
Flexural strength	VIAM 048	3,0 N/mm <sup>2</sup>
Fire behaviour	 DIN EN ISO 13501-1 IMO 2010 FTP Code Annex 1, Part 1 Notified Body No0525 <small>0038 / 2020</small>	A1, non-combustible Code Teil 1 / MSC.307(88)
Bending E-modulus	TIAM 031	2400 N/mm <sup>2</sup>
Resistance to water	Internal test specification	Resistant to water after 7d and 20h of storage
Transverse tensile strength	Internal test specification	600 N
Resistance to salt water	Internal test specification	Ensured
Frost resistance	ETAG 004	30 cycles

The characteristic values stated above are average and/or approximate values. Due to the raw materials contained in our products, the given values of an individual delivery may slightly vary without compromising the suitability of the product.

## Delivery

<b>Transport</b>	During transport, the boards must be protected from moisture and damages. Do not throw or push.
<b>Condition</b>	ex works
<b>Packaging</b>	Unit/pallet and/or pallets/section

## Storage / Disposal

**Storage conditions** Store in a dry place and do not expose to direct sunlight.

**Disposal** To be disposed of in compliance with the local official regulations.  
 When stored in landfills, the material does not emit any water-soluble substances that could lead to groundwater contamination. Neither will the carrier material disintegrate over time and form any harmful products. The metal composite panel can be recycled.  
 Waste code - AVV 170402 - aluminium - AVV 170802

## Special instructions

When stored, deko FireSafe® Metal Lightweight Board Interior A1 must not be exposed to constant moisture penetration or waterlogging.

Based on our findings and experiences, the information and/or data stated in the present technical data sheet serve to ensure that the product is used as intended and/or as appropriate. However, they shall not absolve the user from independently checking the product's suitability and use.

## Health

deko FireSafe® Metal Lightweight Board Interior A1 is free of any toxic substances and improves the room air. According to the current state of knowledge, it does not pose any health hazards or impairments