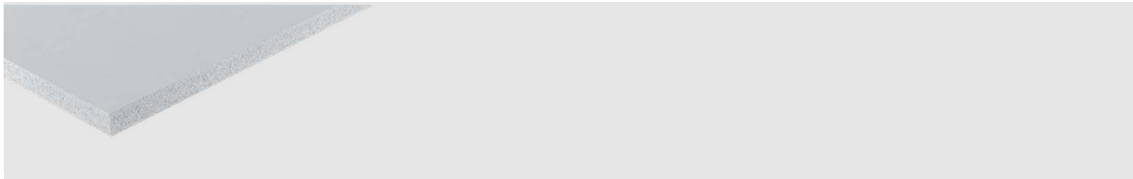


Aestuver®

Fire-resistant element D+2

**cement bonded fire-resistant element for
underground transport systems**



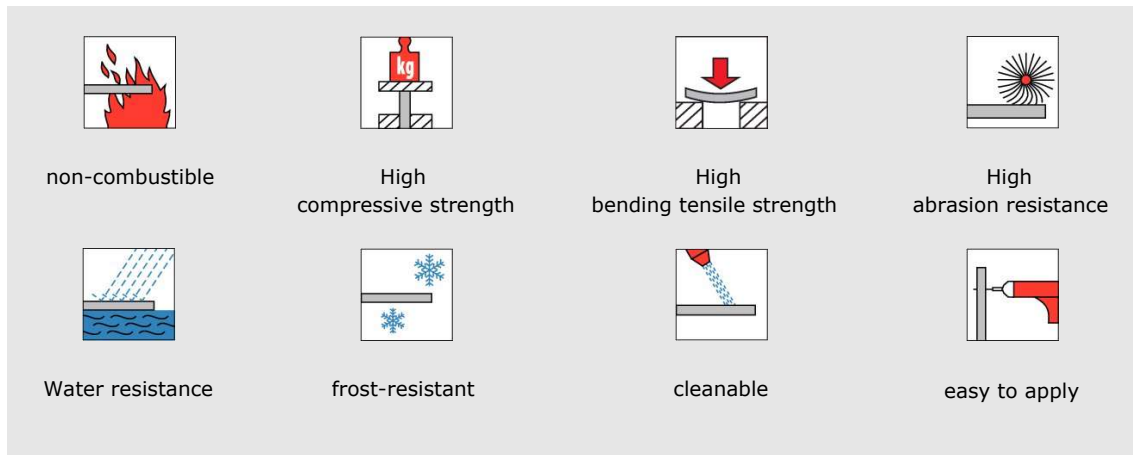
PRODUCT

The Aestuver® fire protection element D+2 was specially designed for the escape and rescue routes in underground traffic facilities

APPLICATION

Walk-on element designed to sustain dynamic loads. It used as a fire-resistant cable-troughs cover providing easy access for maintenance or replacement of wooden planks on access and rescue routes in the rail area.

CHARACTERISTICS



SPECIFICATIONS AND INFORMATION

Specifications	
Equilibrium humidity at 65 % relative humidity and 20 °C Air temperature (acc. to DIN EN ISO 12570)	approx. 7 %
Alkalinity (ph-value)	approx. 12
Reaction to fire (acc. to DIN EN 13501-1)	non-combustible A1
Fire-resistance classification ¹⁾	I 90 and E 90 ²⁾

¹⁾ Verification of the overall construction required in individual cases. ²⁾ Aestuver™ D+2 light I90.

the element characteristics and formats	Aestuver™ D+2	Aestuver™ D+2 light
thickness in mm	52,5	42,5
Area weight per m² in kg (at 5 % damp)	47	35,7
Panel format in mm	1 250 × 625	1 250×625

Dimensional tolerances for compensation moisture for standard board formats ³⁾	
Length, width in mm	± 1
Thickness in mm	± 2

³⁾ Exemplary values for Aestuver® fire protection element D+2.




Maximum permissible dynamic load ⁴⁾	Aestuver™ D+2	Aestuver™ D+2 light
span in mm	1 000	650/750
Jump height in mm	820	800/800
Test person in kg	100	100/80

⁴⁾ Report of the MFPA Leipzig, UB III/B-06-014 und UB 3.2/12-246-1.

Maximum premissible live load	Aestuver™ D+2	Aestuver™ D+2 light
span = 600 mm	12,50 kN/m ²	8,00 kN/m ²
span = 800 mm	7,00 kN/m ²	4,50 kN/m ²
span = 950 mm	5,00 kN/m ²	3,30 kN/m ²
span = 1 000 mm	4,50 kN/m ²	3,00 kN/m ²
span = 1 250 mm	2,80 kN/m ²	1,85 kN/m ²

Dealer data	Aestuver™ D+2	Aestuver™ D+2 light
Article number	8025298	8024298
EAN 40 0 7548 01120 4	... 01341 3

Anti-slip finish

Rating group slip resistance		
R 10	R 12	R 13 ⁵⁾
		

5) Additional coating (coating thickness 2-3 mm)

further notes

Please also note our detailed processing instructions in our brochures:

■ [fermacell Aestuver kompakt Tunnel](#)

Our recommendations are based on extensive testing and practical experience. They do not replace guidelines, standards, approvals and other applicable technical data sheets. Due to the large number of possible influences during processing and application, we recommend always carrying out a trial processing and application. No claims for compensation can be derived from the information provided. Delivery, processing and warranty for the properties we have guaranteed are in accordance with our General Terms and Conditions.