TECHNICAL DATA SHEET



Kemwell Fire**Kem** FP-900® Board A Calcium Silicate Fire Resistant Building Board

Version 3: 13.11.19

Product:

Kemwell Fire**Kem** FP-900[®] - A1 non-combustible calcium silicate fire protection building board. It has multi-purpose applications and is commonly used for commercial and industrial building projects.

As a versatile Class 0 rated board, it is perfect for internal partitions, external walls, roofs, floors and ceilings, and is particularly suited for dry wall construction applications.



APPLICATIONS

Ceilings	Tunnel linings	
Cavity Barriers	Wind posts	
Roofs	Electrical and mechanical services enclosures	
Floors	Smoke barriers	
Partitions and external walls	Fire doors	

GENERAL TECHNICAL DATA

Designation	Calcium silicate	
Material Class	Non-combustible to EN 13501-1	
Surface Spread of Flame	Class 1	
Building Regulations Classification	Class 0	
Fire Protection	Up to 240 minutes	
Nominal Dry Density (average) kg/m ³	900	
Alkalinity (approx.) pH	7-10	
Thermal Conductivity (approx.) at 20°C W/mK	0.17	
Coefficient of expansion (20-100°C) m/mK	9 x 10 ⁻⁶	
Nominal Moisture Content (ambient) %	6	
Moisture Movement (ambient to saturated) %	≤ 0.1	
Thickness Tolerance of Standard Boards (mm)	6-12mm ± 0.5 15-20mm ± 1.0	
Water vapor resistivity MNs/gm	98	
Length x Width Tolerance of Standard Boards (mm)	± 5mm	
Surface Condition	Front face: Smooth, sanded Back face: Unsanded	

BOARD FORMAT DATA

Thickness (mm)	Length x Width	Dry Approx. Weight (kg/m²)	
6	2400 x 1200	5.8	
9	2400 x 1200	8.73	
12	2400 x 1200	11.3	
15	2400 x 1200	14.68	
20	2400 x 1200	19.5	