TECHNICAL DATA SHEET

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

KEMWELL FIRE

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	9×10^{-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/m^2)
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