THE NEXT
FIRE
PROTECTION
BOARD
FOR YOUR
SYSTEM

Sitek Insulation

PRODUCER OF FIRE PROTECTION BOARDS FOR THE BUILDING INDUSTRY

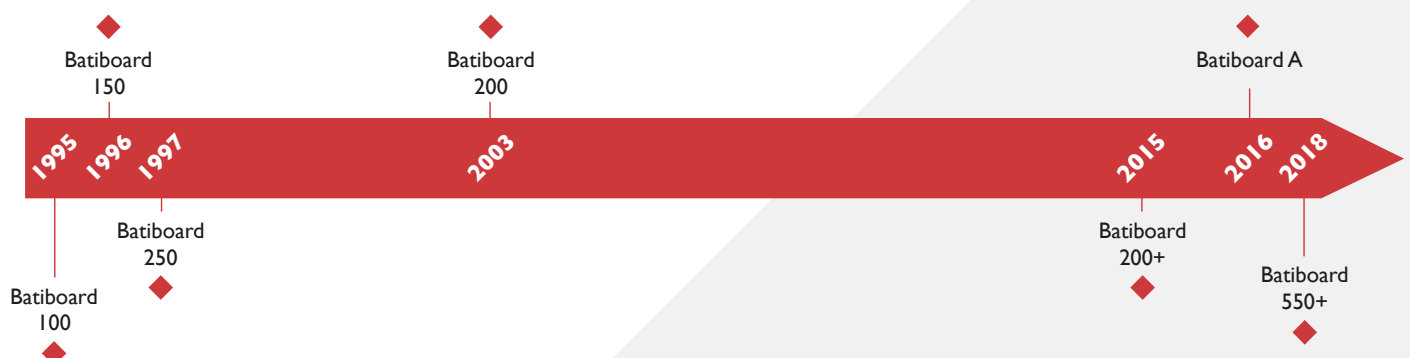## Tailor made products to fit your needs

PRESENTATION

Our manufacturing plant based in Wissembourg, France was founded in 1967 and produces two separate ranges of boards:

◆ perlite boards used for building insulation mainly installed on construction sites,

◆ industrial boards based on high temperature fibre recipes for use in high temperature furnaces.

The Batiboard range consists of boards adapted from these two families.

BATIBOARD RANGE

We have produced fire protection boards for 25 years. We have intensified our developments to meet the needs of new applications, especially for the building products industry.

Batiboard 150 — 1996
Batiboard 200 — 2003
Batiboard A — 2016

1995 1996 1997 2003 2015 2016 2018

Batiboard 100 — 1995
Batiboard 250 — 1997
Batiboard 200+ — 2015
Batiboard 550+ — 2018

PRODUCTION

Our production uses a continuous wet process, coming from the paper industry.

Our technology consists of

◆ mixing raw materials in aqueous medium,

◆ pressing the resulting wet paste,

◆ drying the paste,

◆ cutting the boards to the required dimensions.

DEPENDING ON
THE TYPE OF BOARD,
WE PRODUCE
BETWEEN
500 AND 1000 m³
PER DAY.

PRODUCTS

Sitek Insulation produces rigid boards:

◆ with densities from 150 to 550 kg/m³

◆ with thickness from 10 to 50 mm for monolithic products

◆ with dimensions from 1000 x 600 mm to 3000 x 1200 mm

◆ that can withstand temperatures from -80 to 1600°C

◆ bringing fire protection ranging from 30 to more than 120 minutes.

Optionally we offer a wide range of finishing services: bonding, cutting, drilling, sanding and surface treatment.
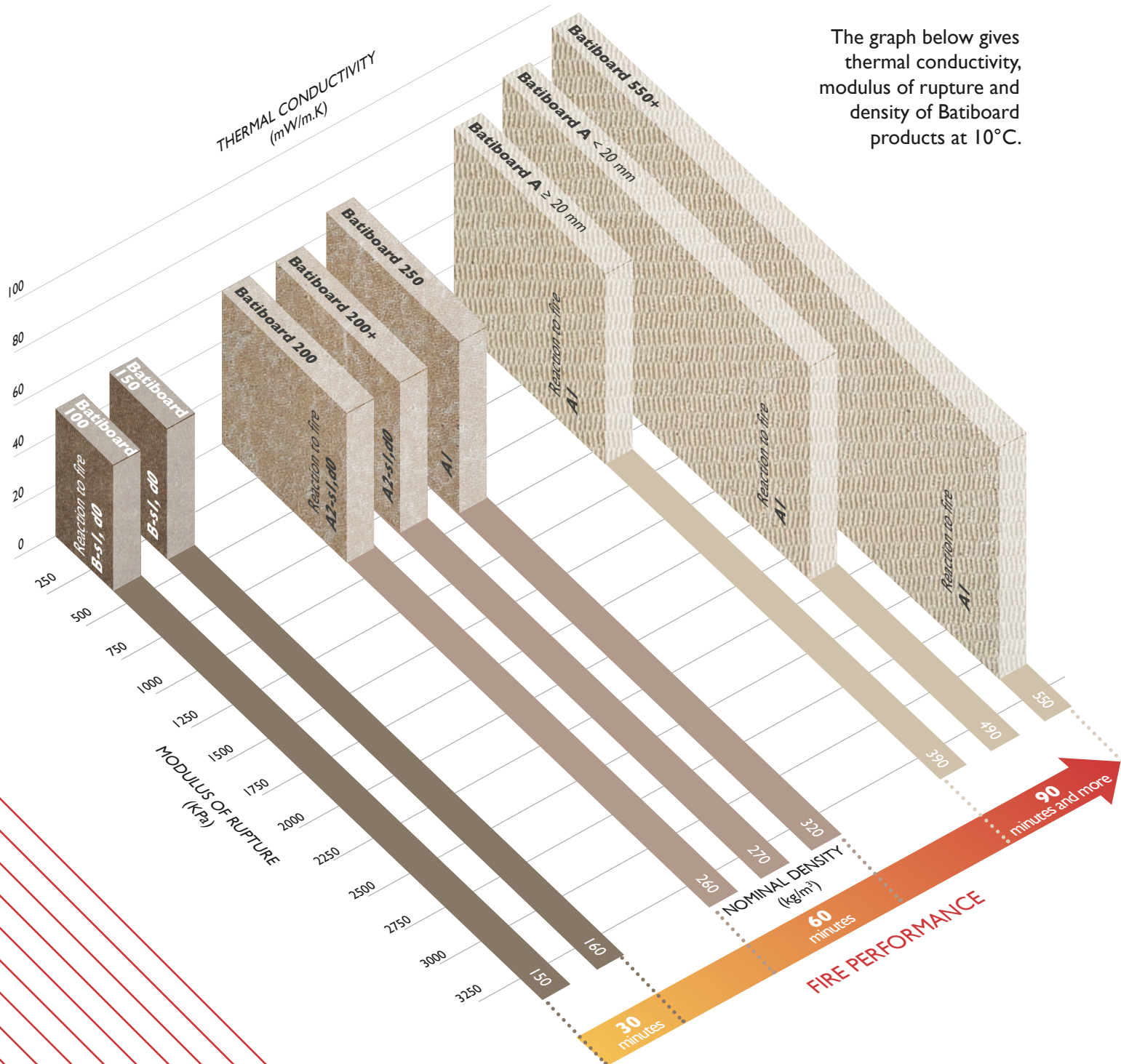
PRIVATE LABEL

We develop and adapt case by case our boards to the specific needs of our clients in terms of recipe, finishing and dimensions. For significant volumes, boards can be sold under the client's own brand name.

MAIN APPLICATIONS

◆ thermal breakers,

◆ core for fire doors,

◆ fire protection of steel structures,

◆ ventilation and smoke extraction fire rated ducts

The graph below gives thermal conductivity, modulus of rupture and density of Batiboard products at 10°C.

THERMAL CONDUCTIVITY (mW/m.K)

Batiboard 100 — Reaction to fire B-s1, d0
Batiboard 150 — Reaction to fire B-s1, d0
Batiboard 200 — Reaction to fire A2-s1, d0
Batiboard 200+ — Reaction to fire A2-s1, d0
Batiboard 250 — Reaction to fire A1
Batiboard A ≥ 20 mm — Reaction to fire A1
Batiboard A < 20 mm — Reaction to fire A1
Batiboard 550+ — Reaction to fire A1

100
80
60
40
20
0

MODULUS OF RUPTURE (kPa)

250
500
750
1000
1250
1500
1750
2000
2250
2500
2750
3000
3250

150
160
260
270
320
390
490
550

NOMINAL DENSITY (kg/m³)

FIRE PERFORMANCE

30 minutes
60 minutes
90 minutes and more

Weight: comparison of density versus fire resistance

Fire protection: rating proportional to fire performances of boards having the same thickness

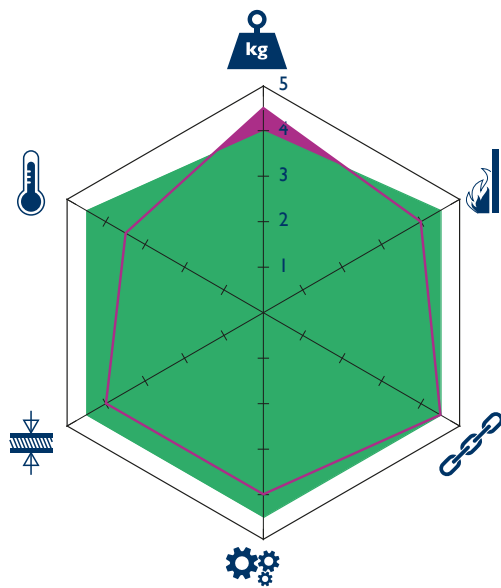**Mechanics:** rating proportional to mechanical properties of the boards

Integrity: rating inversely proportional to board deformation and shrinkage during a fire test

Thickness: rating inversely proportional to the minimum thickness of the panels achieving the same fire performance
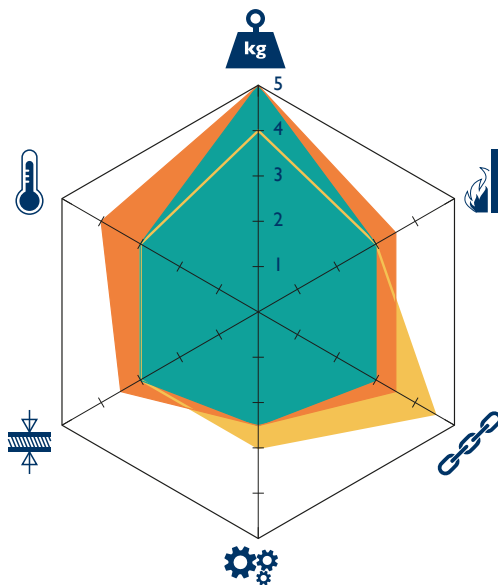
Insulation: rating proportional to the time during which the thermal insulation criterion during a fire test is reached by boards having the same thickness
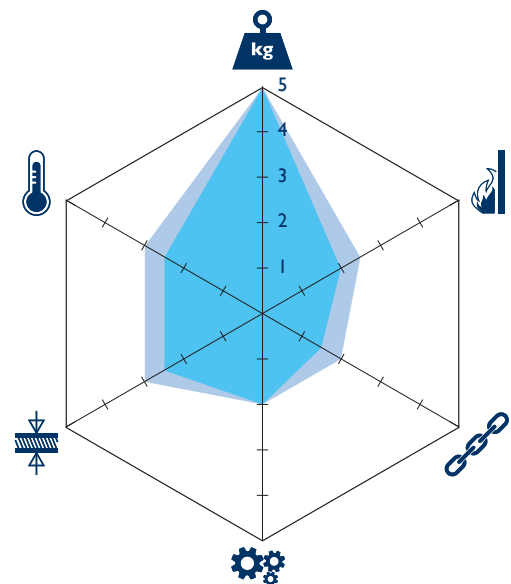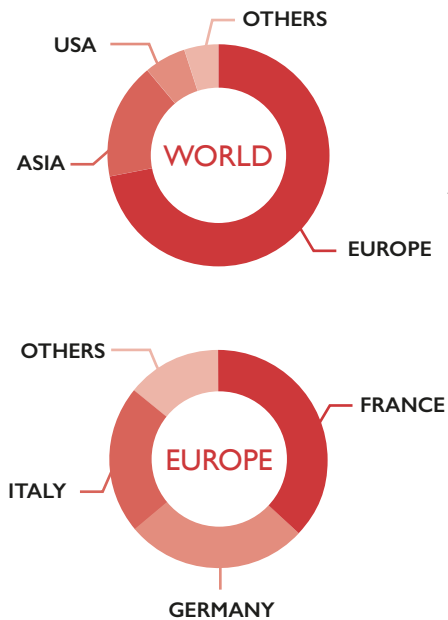
◆ **Batiboard 550+**
◆ **Batiboard A**

◆ **Batiboard 200**
◆ **Batiboard 200+**
◆ **Batiboard 250**

◆ **Batiboard 100**
◆ **Batiboard 150**

SALES
LOCATION

WORLD: OTHERS, USA, ASIA, EUROPE

EUROPE: OTHERS, FRANCE, ITALY, GERMANY

CONTACTS
PRODUCTS

Eric Rignol
Product manager
+33 (0) 6 08 80 93 77
eric.rignol@sitekinsulation.com

Pierre Moracchini
Sales export manager
+33 (0) 6 62 61 68 66
pierre.moracchini@sitekinsulation.com

Fabien Decomble
Sales manager France
+33 (0) 6 80 83 47 91
fabien.decomble@sitekinsulation.com

Stéphane Baloin
Sales manager Germany
+33 (0) 7 84 05 62 08
stephane.baloin@sitekinsulation.com

Roberto Scotti
Sales manager Italy
+39 (0) 3357 830443
roberto.scotti@sitekinsulation.com

SITEK INSULATION
ROUTE DE LAUTERBOURG
CS 90148 67163 WISSEMBOURG CEDEX
FRANCE
info@sitekinsulation.com