

Promat

Expert days: Promat solutions

Linas Krisciunas

24th of March 2022



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Presenter

Promat

- Linas Krisciunas – Promat project manager Lithuania, Latvia, Estonia
- 9 years of experience in passive fire protection business
- First in Europe to certify smoke extraction ducts in 3-sided configuration in Lithuanian Fire Research centre according to European harmonised standard EN12101-7.
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Key points of presentation

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- Etex and Promat (who we are? What we do? What we offer?)
- Solutions for today
 - 3-sided smoke ducts acc. to EN12101-7 and ducts in kitchens → **specifiers, technical supervisors, engineers**
 - Fireplaces and chimneys → **house owners and builders**
 - Industrial solutions → **producing companies and certification bodies**

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Promat brand movie

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Etex Group

Promat is a part of Etex





102
Companies



107
Factories



42
Countries




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Promat

The beginning of Promat....1958




People




DEDICATED EXPERTS
1,300 employees

Presence




WORLDWIDE PRESENCE
Europe, Americas & Asia Pacific

Financial standing




TURNOVER : € +/- 400 MILLIO...

Production sites




17 PLANTS
Worldwide located



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Promat products (boards)




Fire protection boards

- PROMATECT®-H
- PROMATECT®-LS / L500 / L
- PROMATECT®-100 / TYP® A
- PROMATECT® -XS
- PROMATECT® -100X / 1000L

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Promat products (fire stopping)
















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Promat products (paints/spray)

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Fire protection sprays/paints

- PROMAPAIN[®] SC4 and SC3

- PROMASPRAY[®] P300/C450



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Promat products (intumescent strips)

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Product description

PROMASEAL[®] PL/LXP/LFCSK is a graphite based intumescent seal with a starting temperature of approx. 150°C or 190 °C (depending on product), with a highly efficient performance and non-ageing certificate.

Area of application

PROMASEAL[®] PL/LXP/LFCSK is an intumescent seal for timber doors, glazing's, panels, facades and building joints in walls and floors.



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Promat products (blankets)

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Product description

DALFRATHERM®-1200 ULS blanket is part of an extensive range of high temperature insulation blankets targeted on achieving the highest possible thermal insulation value and handling strength.

Typical applications

- Thermal insulation for furnace lining
- Thermal insulation for lining stacks and chimneys
- Thermal protection cover in aluminium industry
- HRSG thermal liner for boiler and ducting
- Exhaust heat shields for automotive
- General technical insulation of furnaces and technical installations.



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Promat solutions

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3-side ducts and ducts in kitchen areas



Fire places



Chimneys



Industrial solutions

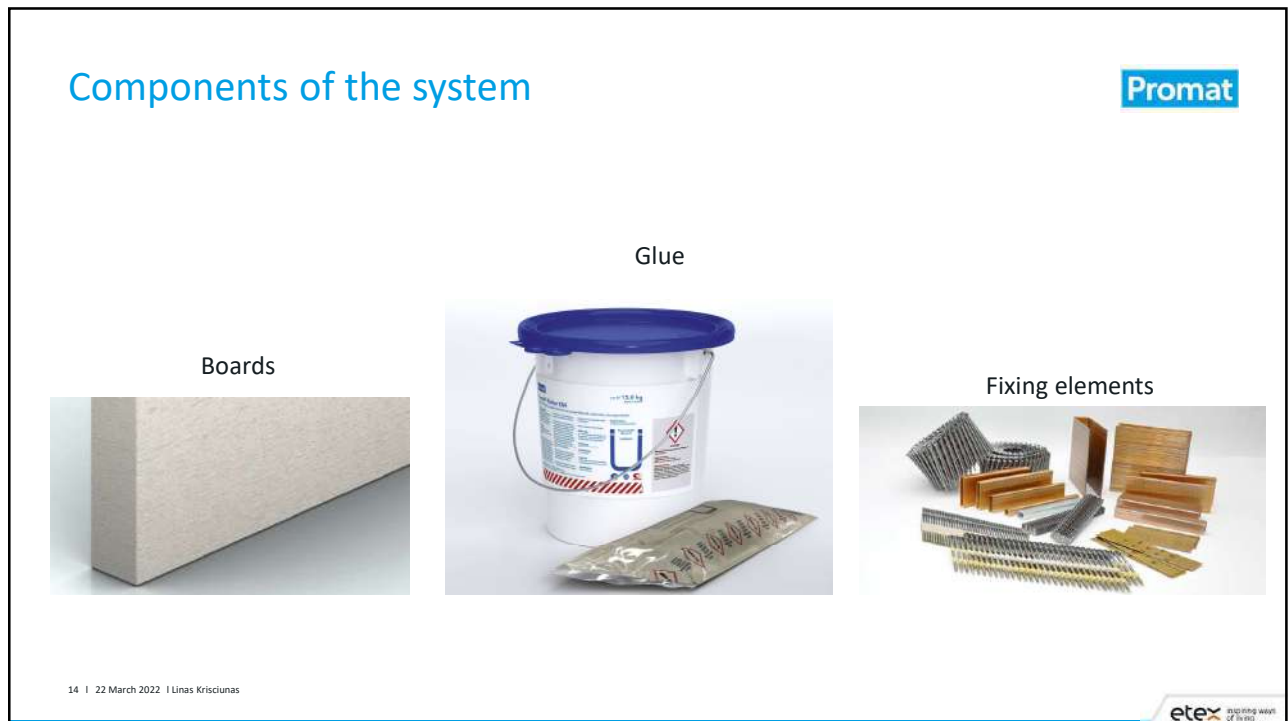
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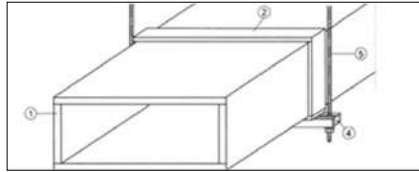


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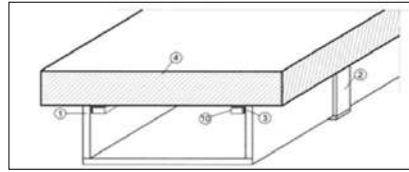
Advantage and benefits

Promat

4-side duct



3-sided duct



Feature

- Direct fixing to the concrete slab

Advantage

- Save space
- Less materials
- Faster installation

Benefit

- Efficient use of space
- Saving cost
- More effective installation time and faster project realization

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Projects

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Type: ALFA shopping mall in Riga, Latvia

Solution:

- Fire stopping and 3-sided ducting PROMATECT®-L500.



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Projects



Type: apartment building in Palanga, Lithuania

Solution: horizontal 3-sided ducting PROMATECT®-L500.



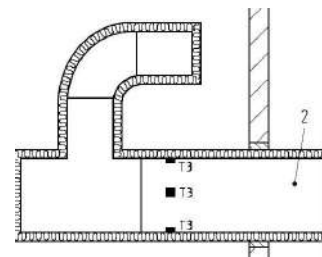
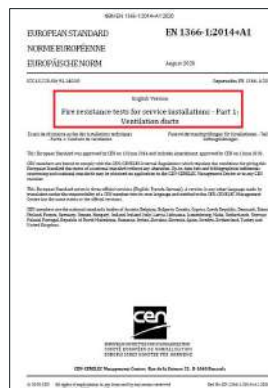
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Ventilation ducts in industrial kitchen areas



Requirements?

- Test standard is the same as for ventilation ducts according to EN1366-1
- More strict requirements for ducts in industrial kitchen areas (additional thermocouples “T3” shall be used to determine the average and maximum temperature rise. Positioning of these thermocouples is indicated in picture).



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What we recommend?

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We recommend!

- Use steel duct for better cleaning and protect it with calcium silicate boards PROMATECT!
- For ventilation&smoke duct EI60 we use 30mm of Promatect-L500, but for industrial kitchen it should be 45mm of P-LS.
- For ventilation&smoke duct EI90 we use 35mm of Promatect-LS but in this case, we should do it with 50 mm of P=LS.

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Fire places

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Fireplaces

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PROMAFOUR® boards for fireplaces

- Accumulation boards!



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PPROMASIL®-1000L boards for fireplaces

- Insulation boards



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Projects with boards PROMASIL®-1000L

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- Only specialized installer should do it (installation is done by SIA Agni)
- Full system including boards, fixing elements, glue and primer
- Can be painted or tiles can be glued



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Projects with boards PROMAFOUR®

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- Only specialized installer should do it (installation is done by SIA Agni)
- Full system including boards, fixing elements, glue and primer



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Chimneys

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Value for customer?

- Light material calcium silicate board Promatect-L500
- Noncombustible (reaction to fire A1)
- Safe

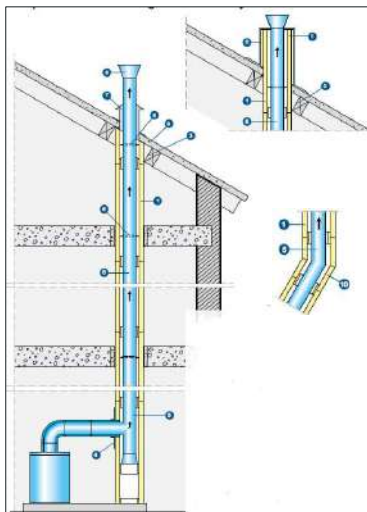
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Chimneys (drawings)

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Chimneys (project in Latvia)

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Chimneys (project in Latvia)

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Industrial applications




Promat works with various producers offering

- calcium silicate boards, intumescent strips, fire stopping and glazing
- technical support
- financial support for your testing products

Producers with whom we work

- Glazing and façade systems
- Aluminium constructions
- Modular houses, prefab houses
- Fire and smoke dampers
- Fire resistant doors (regular, garage, lifts)

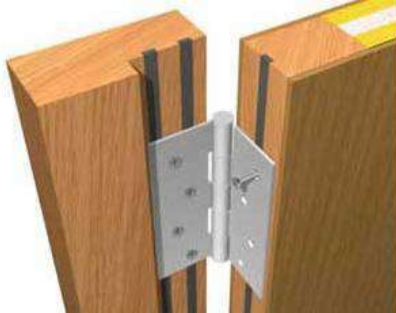


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Wooden doors

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Producer	Test standard	Products
Wooden doors	1634-1	Boards: PROMATECT®-H, Typ A, MASTERBOARD® Intumescent strips: PROMASEAL®-PL/GT/LW/HT, Glazing: PROMAGLAS® & PROMAGLAS® F1



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Alu door producers

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Producer	Test standard	Products
Alu doors	1634-1	Boards: PROMAXON®, Typ A Glazing: PROMAGLAS® & PROMAGLAS® F1 Intumescent strips: PROMASEAL® PL/GT/LX/LW



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Alu glazing systems

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Producer	Test standard	Products
Alu glazing systems	1634-1	Boards: PROMAXON® Typ A Glazing: PROMAGLAS® & PROMAGLAS® F1 Intumescent strips: PROMASEAL®-PL/GT/LX/LW



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Fire dampers

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Producer	Test standard	Products
Fire damper systems	1366-2	Boards: PROMATECT®-H/L/LS/MT Intumescent strips: PROMASEAL®-PL/GT/LFCSK



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Steel doors

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Producer	Test standard	Products
Steel doors	1634-1	Boards: PROMATECT®-H, PROMAXON®, Typ A Intumescent strips: PROMASEAL®-PL/LX/GT/LW Glazing: PROMAGLAS® & PROMAGLAS® F1



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**Good luck and stay
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