mercor group

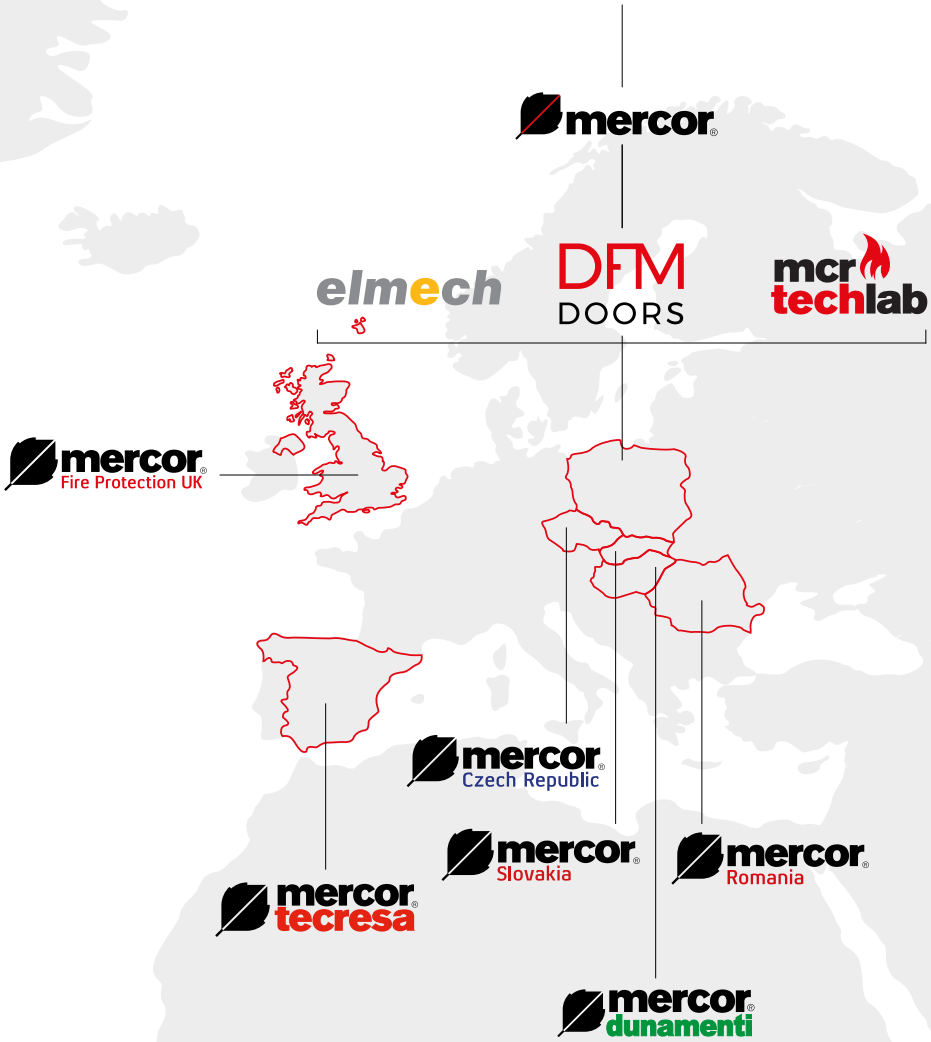
We shape your safety

Light and ventilation systems

www.mercor.com.pl/en/

over **30 000** m^2 **of production space**

located on **16** ha of plots housing **7** **production facilities**



over **900** **people working** for the Mercor Group

Stable

technological advancement

automation, software and production management intelligent solutions

4 **Product divisions:**

- gravitational smoke exhaust
- fire ventilation
- building structure protections
- fire partitiones provided by DFM Doors company

50 **markets worldwide**

Production supported by IT systems

tj. ERP, Vault, and trademark Shop Floor Software

MERCOR GROUP HAS BEEN PROVIDING SMOKE AND HEAT EXHAUST SYSTEMS FOR OVER 35 YEARS.

We are one of the largest Polish entities operating within the branch of passive fire protection systems. We form an international group of companies which is among the industry's leaders on the European market. Our comprehensive offer includes: smoke and heat exhaust systems, rooflight systems, fire ventilation systems, as well as fire protections of building structures. We also provide full service support to our Clients.

We have provided safety for over 35 years. Our company portfolio comprises hundreds of projects completed domestically and abroad. We combine our many years' experience with innovativeness, creating new solutions designed to face the challenges posed by today's building industry.

We are a public company. "MERCOR" S.A. has been listed on the Warsaw Stock Exchange since July 2007.

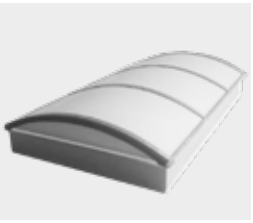
In providing comprehensive services, we strictly co-operate with building designers and constructors. We offer help in selecting and designing fire protection systems; we design equipment forming part of those systems, delivering them and installing on site. We also provide full-ranged service, constituting the guarantee of long-term reliability of our systems.

The majority of our assortment is custom-manufactured on individual orders; our customers can specify the demanded product parameters, subject to regulatory safety standards and requirements.

SMOKE EXHAUST PRODUCTS

Continuous rooflights with smoke vent

mcr PROLIGHT

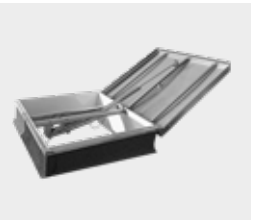


Certificate of constancy of performance
1396-CPR-0039
(EN 12101-2)

Natural lighting, ventilating, roof accessibility increase

Smoke vent single and double leaf

mcr PROLIGHT



Certificate of constancy of performance
1396-CPR-0040
(EN 12101-2)

Smoke, fire fumes and heat energy removal

Skylight fixed skylights

mcr PROLIGHT

Certificate of constancy of performance
(EN 1873)

Natural lighting, ventilating

Roof hatch with straight base

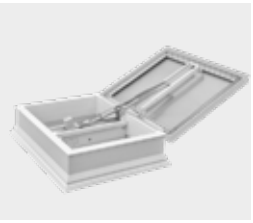
mcr PROLIGHT

Certificate of constancy of performance
(EN 1873)

Natural light inrease, ventilating, roof accessibility increase

Smoke vent

mcr ULTRA THERM

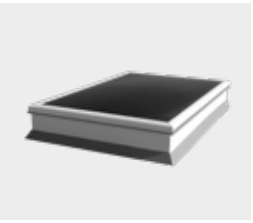


Certificate of constancy of performance
1396-CPR-0126
(EN 12101-2)

Smoke, fire fumes and heat energy removal

Skylight

mcr ULTRA THERM



Certificate of constancy of performance
(EN 1873)

Natural lighting, ventilating

Roof hatch

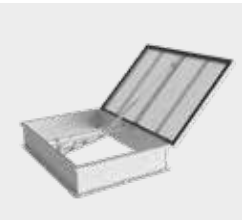
mcr ULTRA THERM

Certificate of constancy of performance
(EN 1873)

Natural lighting, ventilating, roof accessibility increase

Smoke vent

mcr S-THERM

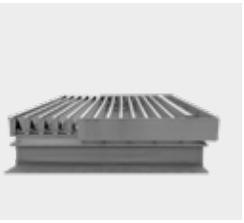


Certificate of constancy of performance
1396-CPR-0195
(EN 12101-2)

Smoke, fire fumes and heat energy removal
Natural lighting, ventilating increase

Louvered smoke ventilation vents

mcr LAM



Certificate of constancy of performance
1396-CPR-0032
(EN 12101-2)

Smoke, hot combustion gases and heat energy removal

Smoke exhaust window

mcr OSO THERM

Certificate of constancy of performance
1396-CPR-0128
(EN 12101-2)

Flames, fire gas and heat energy removal
Aeration and daily ventilation

Smoke curtain

mcr PROSMOKE

Certificate of constancy of performance
1396-CPR-033, -021, -022, -0037
(EN 12101-1)

Smoke separation
Smoke flow direction

1.1 mcr PROLIGHT | continuous rooflights

1.1.1 | Description

- continuous rooflights with span up to 6.0 m
- wide scope of smoke vent sizes:
  - **single-leaf:**
    (W x L) 100 x 100 cm ÷ 200 x 250 cm
  - **double-leaf:**
    (W x L) 100 x 100 cm ÷ 250 x 250 cm
- optional wind – and/or inlet deflector for better aerodynamic performance
- products are delivered to construction site in elements and assemble in two steps:
  - **first step** – base
  - **second step** – top section and smoke ventilation vents
- RAL palette color selection for elements
- soft body impact resistance up to 1200 J
- CE marked rooflights according to EN 14963
- fire performance for external fire, class B_{ROOF}(t1) as per EN 13501-5

Design

Base

- type: ridge, roof, overlay N type, broken in the ridge
- height: 30 cm – 70 cm
- material: steel, aluminum
- prepared insulation of 50 mm thickness (possible modification)
- possible to apply on existing plinth

Filling

- multi-chamber polycarbonate
- multivariable single and multi-layer filling

Control system

- smoke exhaust: electric (24 V-), pneumatic
- ventilation: electric (230 V~)

BIM and CAD models are available through our QR qode and on our website, in designer zone section

Fig. 1 – mcr PROLIGHT continuous rooflights

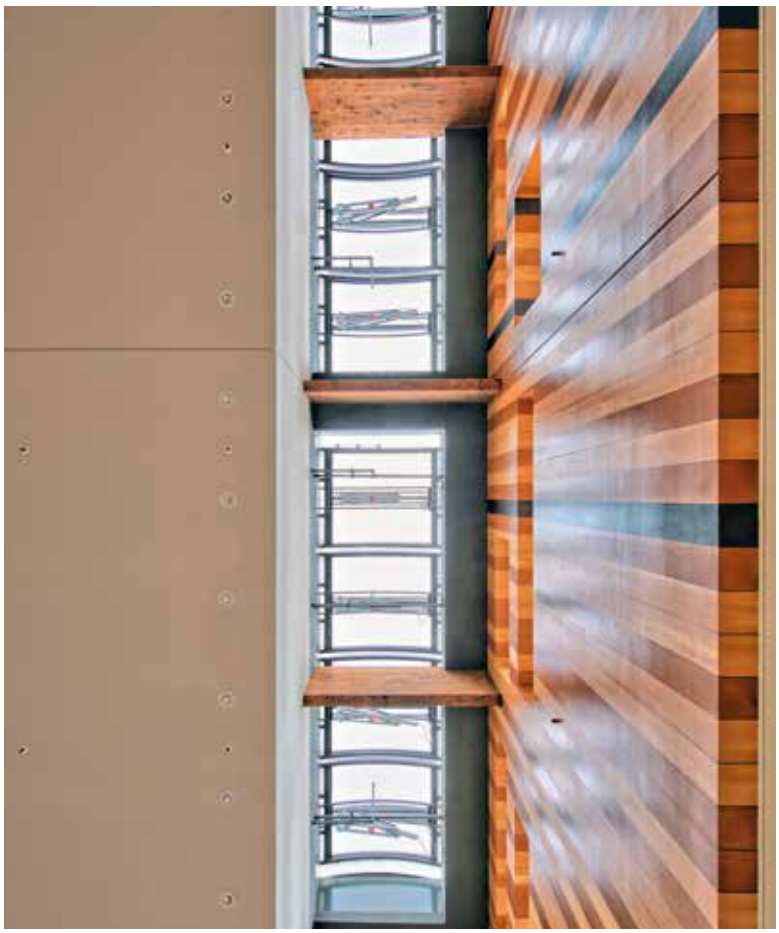


Fig. 2 – mcr PROLIGHT continuous rooflight - inside view

1.1.2 | Features

lighting

effective method of increasing natural light intensity in rooms and contribute to reducing total cost of energy

smoke exhaust

exhaust smoke, combustion gases and heat energy from enclosed spaces (production floors, storage spaces, public facilities, etc.) to the outside of buildings, in order to protect human lives and property

ventilation

daily ventilation

heat transfer

product allows to achieve high heat transfer **Urc ≥ 0.95 W/m²K.**

application

wide scope of shapes and sizes enable installation on warehouses, public services buildings, shopping malls, commercial and sport objects

additional elements

- anti-burglar grid
- safety net
- limit switch

European Funds Smart Growth
European Union European Regional Development Fund

1.1.3 | Certification

CE

Smoke vents in rooflights are certified according to EN 12101-2 and CE-marked

ECO PLATFORM EPD EN 15804 VERIFIED

Rooflights mcr PROLIGHT obtained enviromental declaration showing enviromental impact of the product - from sources extraction to transport

Fig. 3 – mcr PROLIGHT continuous rooflight with open vent

Fig. 4 – mcr PROLIGHT continuous rooflights with open vents

1.2 mcr PROLIGHT | smoke vents

1.2.1 | Description

- various vent types and dimentions
- wide scope of sizes:
  - **single-leaf:**
    (W x L) 100 x 100 cm ÷ 200 x 250 cm
  - **double-leaf:**
    (W x L) 120 x 250 cm ÷ 300 x 300 cm
- optional wind – and/or inlet deflector for better aerodynamic performance
- vents are delivered to site construction as a complete product, ready to install
- RAL palette color selection for vent elements
- product certified according to EN 12101-2, CE-marked

Design

Base

- type: straight, skew, overlay N type
- height: 20 cm – 70 cm
- material: steel, aluminum
- thermal insulation with mineral wool or PIR panel
- possible to apply on existing plinth

Filling

- multi-chamber polycarbonate
- domes: acrylic or solid polycarbonate
- sandwich panel
- multivariable single and multi-layer filling

Control system

- smoke exhaust: electric (24 V-), pneumatic, mechanic (gas springs)
- ventilation: electric (230 V~), pneumatic

BIM and CAD models are available through our QR qode and on our website, in designer zone section

Fig. 5 – mcr PROLIGHT single leaf smoke vent, open

Fig. 6 – mcr PROLIGHT double leaf smoke vents

1.2.2 | Features

smoke exhaust

exhaust smoke, combustion gases and heat energy from enclosed spaces (production floors, storage spaces, public facilities, etc.) to the outside of buildings, in order to protect human lives and property

lighting

effective method of increasing natural light intensity in rooms and contribute to reducing total cost of energy

ventilation

provides air supply and daily ventilation

roof access

opening mechanism enables easy roof access

heat transfer

product allows to achieve high heat transfer **Urc ≥ 1.3 W/m²K.**

additional elements

- roof access option
- wind deflectors / inlet deflectors
- anti-burglar grid
- safety net
- limit switch

1.2.3 | Certification

CE

Product certified according to EN 12101-2, E-marked

ECO PLATFORM EPD EN 15804 VERIFIED

mcr PROLIGHT smoke vents obtained enviromental declaration showing enviromental impact of the product - from sources extraction to transport

Fig. 7 – mcr PROLIGHT single leaf smoke vents, open

Fig. 8 – mcr PROLIGHT double leaf smoke vents, open

1.3 mcr PROLIGHT | skylights

1.3.1 | Description

- fixed skylight, openable skylight with ventilation function
- vast range of skylight types and sizes
- wide scope of sizes:
  - **square:**
    (W x L) 80 x 80 cm ÷ 210 x 210 cm
  - **rectangular:**
    (W x L) 100 x 110 cm ÷ 200 x 300 cm
- skylights are delivered as a complete product, ready to install
- external fire resistance, class B_{ROOF}(t1) according to EN 13501-5
- RAL palette color selection for skylight elements
- product acquires CE mark confirming compatibility with EN 1873 norm

Design

Base

- type: straight, skew, overlay N type
- height: 20 cm – 70 cm
- material: steel, aluminum
- thermal insulation with mineral wool or PIR panel
- possible to apply on existing plinth

Filling

- multi-chamber polycarbonate
- domes: acrylic or solid polycarbonate
- multivariable single and multi-layer filling

Control system

- ventilation: electric (230 V~)

BIM and CAD models are available through our QR qode and on our website, in designer zone section

Fig. 9 – mcr PROLIGHT skylights

Fig. 10 – mcr PROLIGHT skylights

1.3.2 | Features

lighting

effective method of increasing natural light intensity in rooms and contribute to reducing total cost of energy

ventilation

daily ventilation

heat transfer

product allows to achieve high heat transfer **Urc ≥ 1.1 W/m²K.**

application

wide scope of shapes and sizes enable installation on warehouses, public services buildings, shopping malls, commercial and sport objects

additional elements

- safety net
- limit switch

1.3.3 | Certification

CE

Product acquires CE mark confirming compatibility with EN 1873 norm

ECO PLATFORM EPD EN 15804 VERIFIED

mcr PROLIGHT skylights obtained enviromental declaration showing enviromental impact of the product - from sources extraction to transport

Fig. 11 – mcr PROLIGHT skylight

Fig. 12 – mcr PROLIGHT skylight

1.4 mcr PROLIGHT | roof hatches

1.4.1 | Description

» wide scope of sizes:
  – **square:**
    (W x L) 80 x 80 cm ÷ 140 x 140 cm
  – **rectangular:**
    (W x L) 80 x 90 cm ÷ 140 x 150 cm
» hatches are delivered to construction site as a complete product, ready for install
» RAL palette color selection for vent elements
» product acquires CE mark, confirming compatibility with EN 1873 norm

Design

Base

» type: straight, skew, overlay N type
» height: 20 cm – 70 cm
» material: steel, aluminum
» thermal insulation with mineral wool or PIR panel
» possible to apply on existing plinth

Filling

» multi-chamber polycarbonate
» domes: acrylic or solid polycarbonate
» multivariable single and multi-layer filling

Control system

» gas springs

BIM and CAD models are available through our QR qode and on our website, in designer zone section

Fig. 13 – mcr PROLIGHT roof hatch

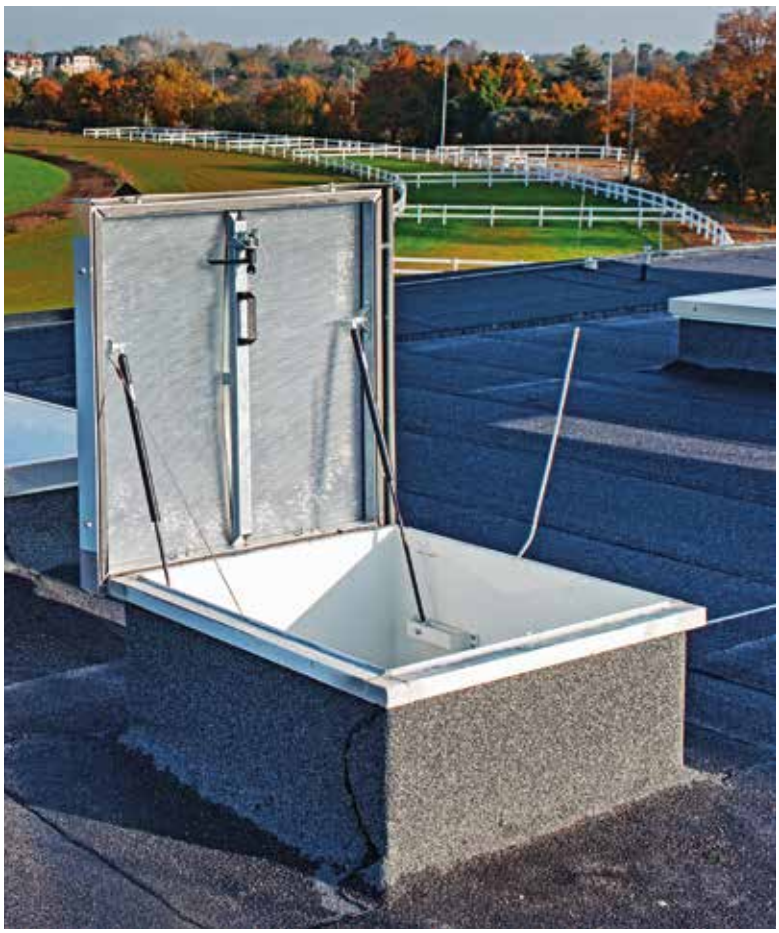


Fig. 14 – mcr PROLIGHT roof hatch

1.4.2 | Features

lighting

effective method of increasing natural light intensity in rooms and contribute to reducing total cost of energy

ventilation

provides air supply and daily ventilation

roof access

opening mechanism enables easy roof access

application

wide scope of shapes and sizes enable installation on warehouses, public services buildings, shopping malls, commercial and sport objects

additional elements

- anti-burglar grid
- safety net
- limit switch

heat transfer

product allows to achieve high heat transfer **Urc ≥ 1.1 W/m²K.**

1.4.3 | Certification

Product acquires CE mark, confirming compatibility with EN 1873 norm

mcr PROLIGHT roof hatches obtained enviromental declaration showing enviromental impact of the product - from sources extraction to transport

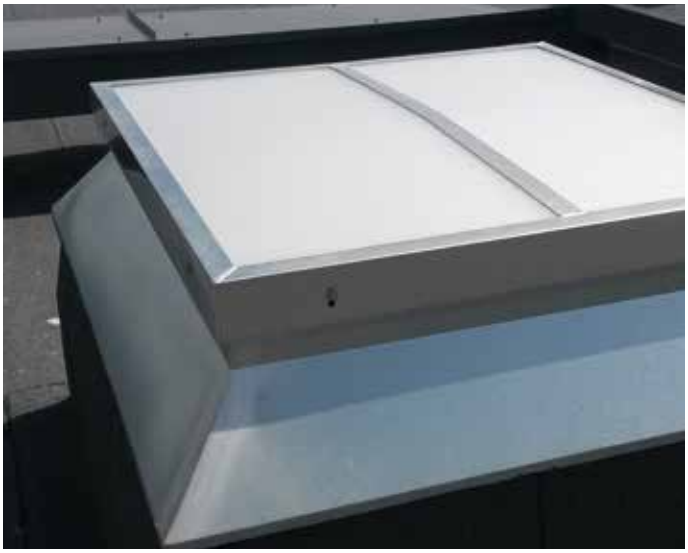


Fig. 15 – mcr PROLIGHT roof hatch

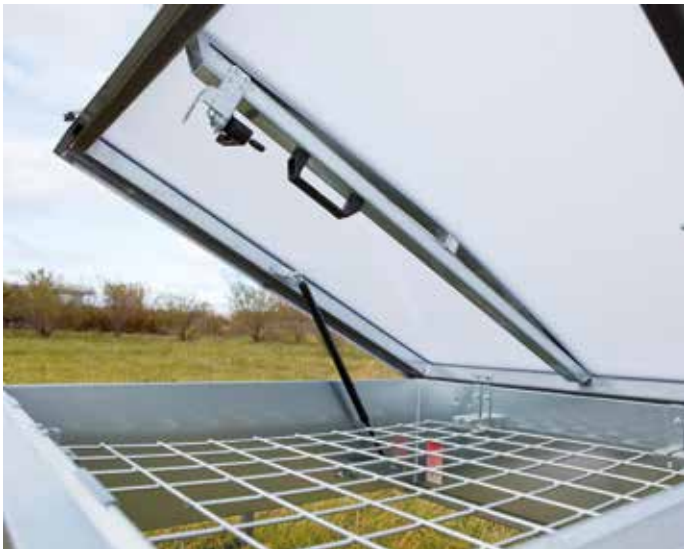


Fig. 16 – mcr PROLIGHT roof hatch with safety net

2.1 mcr ULTRA THERM | smoke vents

2.1.1 | Description

- high thermal insulation
- no thermal bridges
- various shapes and base materials
- wide scope of vents sizes:
  - **square:**
    (W x L) 100 x 100 cm ÷ 210 x 210 cm
  - **rectangular:**
    (W x L) 80 x 120 cm ÷ 200 x 300 cm
- optional wind – and/or inlet deflector for better aerodynamic performance
- partial or complete product delivery
- RAL palette color selection for steel and aluminum bases
- aesthetic design
- Product certified according to EN 12101-2, CE-marked

Design

Base

- type: straight, skew
- height: 25 cm – 70 cm
- material: PVC, steel, aluminum
- steel or aluminum base prepared for insulation of 50 mm thickness
- possible to instal on existing plinth

Filling

- multi-chamber polycarbonate
- domes: acrylic or solid polycarbonate
- sandwich panel
- multivariable single and multi-layer filling

Control system

- smoke exhaust: pneumatic, electric (24 V-/48 V-)
- ventilation: electric (230 V~)

BIM and CAD models are available through our QR qode and on our website, in designer zone section

Fig. 17 – mcr ULTRA THERM smoke vents

Fig. 18 – mcr ULTRA THERM smoke vent

2.1.2 | Features

smoke exhaust

exhaust smoke, combustion gases and heat energy from enclosed spaces (production floors, storage spaces, public facilities, etc.) to the outside of buildings, in order to protect human lives and property

lighting

effective method of increasing natural light intensity in rooms and contribute to reducing total cost of energy

roof access

opening mechanism enables easy roof access

ventilation

daily ventilation

additional elements

- wind deflectors
- inlet deflectors
- safety net
- limit switch

heat transfer

product allows to achieve high heat transfer **Urc ≥ 0.8 W/m²K.**

European Funds Smart Growth

European Union European Regional Development Fund

2.1.3 | Certification

CE

Product certified according to EN 12101-2, E-marked

ECO PLATFORM EPD EN 15804 VERIFIED

mcr ULTRA THERM smoke vents obtained enviromental declaration showing enviromental impact of the product - from sources extraction to transport

Fig. 19 – mcr ULTRA THERM smoke vents

Fig. 20 – mcr ULTRA THERM smoke vents

2.2 mcr ULTRA THERM | skylights

2.2.1 | Description

- fixed skylight, openable skylight with ventilation function
- high thermal insulation
- no thermal bridges
- various shapes and base materials
- wide scope of skylight sizes:
  - **square:**
    (W x L) 80 x 80 cm ÷ 190 x 190 cm
  - **rectangular:**
    (W x L) 80 x 120 cm ÷ 200 x 300 cm
- partial or complete product delivery
- RAL palette color selection for steel and aluminum bases
- aesthetic design
- resistance to external fire, B_{ROOF}(t1) class according to EN 13501-5 **(optional)**

Design

Base

- type: straight, skew
- height: 25 cm – 70 cm
- material: PVC, steel, aluminum
- steel or aluminum base prepared for insulation of 50 mm thickness

Filling

- multi-chamber polycarbonate
- domes: acrylic or solid polycarbonate
- multivariable single and multi-layer filling

Control system

- ventilation: electric (230 V~)

Fig. 21 – mcr ULTRA THERM skylight

Fig. 22 – mcr ULTRA THERM skylight

BIM and CAD models are available through our QR qode and on our website, in designer zone section

2.2.2 | Features

lighting

effective method of increasing natural light intensity in rooms and contribute to reducing total cost of energy

ventilation

provides air supply and daily ventilation

heat transfer

product allows to achieve high heat transfer **Urc ≥ 0.8 W/m²K.**

application

wide scope of shapes and sizes enable installation on warehouses, public services buildings, shopping malls, commercial and sport objects

additional elements

- safety net
- limit switch

European Funds Smart Growth
European Union European Regional Development Fund

2.2.3 | Certification

CE

Product acquires CE mark confirming compatibility with EN 1873 norm

ECO PLATFORM EPD EN 15804 VERIFIED

mcr ULTRA THERM skylights obtained enviromental declaration showing enviromental impact of the product - from sources extraction to transport

Fig. 23 – mcr ULTRA THERM skylight

Fig. 24 – mcr ULTRA THERM skylight

2.3 mcr ULTRA THERM | roof hatches

2.3.1 | Description

- high thermal insulation
- no thermal bridges
- various shapes and base materials
- wide scope of hatches sizes:
  - **square:**
    (W x L) 80 x 80 cm ÷ 140 x 140 cm
  - **rectangular:**
    (W x L) 80 x 90 cm ÷ 130 x 140 cm
- partial or complete product delivery
- RAL palette color selection for steel and aluminum bases
- aesthetic design

Design

Base

- type: straight, skew
- height: 25 cm – 70 cm
- material: PVC, steel, aluminum
- steel or aluminum base prepared for insulation of 50 mm thickness

Filling

- multi-chamber polycarbonate
- domes: acrylic or solid polycarbonate
- multivariable single and multi-layer filling

Control system

- gas springs

BIM and CAD models are available through our QR qode and on our website, in designer zone section

Fig. 25 – mcr ULTRA THERM roof hatch

Fig. 26 – mcr ULTRA THERM roof hatch

2.3.2 | Features

lighting

effective method of increasing natural light intensity in rooms and contribute to reducing total cost of energy

roof access

opening mechanism enables easy roof access

heat transfer

product allows to achieve high heat transfer **Urc ≥ 0.8 W/m²K.**

application

wide scope of shapes and sizes enable installation on warehouses, public services buildings, shopping malls, commercial and sport objects

additional elements

» safety net

2.3.3 | Certification

Product acquires CE mark confirming compatibility with EN 1873 norm

mcr ULTRA THERM roof hatch obtained enviromental declaration showing enviromental impact of the product - from sources extraction to transport

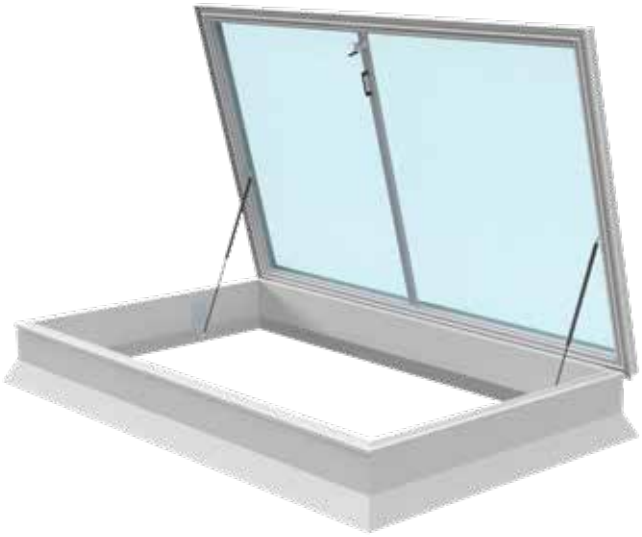


Fig. 27 – mcr ULTRA THERM roof hatch, PVC base

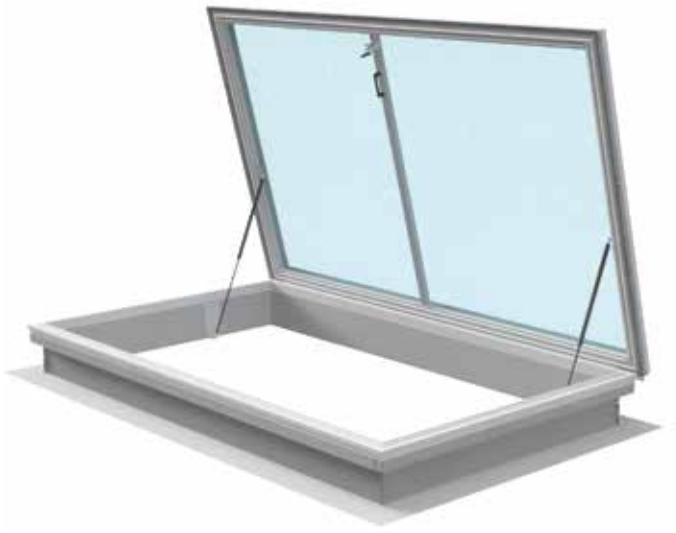


Fig. 28 – mcr ULTRA THERM roof hatch, steel base

3.1 mcr S-THERM | smoke vents*

3.1.1 | Description

- no thermal bridges, reduction of water vapour condensation
- high aesthetics, use of extruded aluminum profiles
- modular design enables work ergonomics during assembly and transport
- wide scope of vents sizes:
  - **square:**
    (W x L) 100 x 100 cm ÷ 180 x 180 cm
  - **rectangular:**
    (W x L) 100 x 110 cm ÷ 190 x 260 cm
- optional wind – and/or inlet deflector for better aerodynamic performance
- simple replacement of vent elements - filling, thickness, type and color change
- RAL palette color selection for vent elements
- product certified according to EN 12101-2, CE-marked

Design

Base

- type: straight, skew
- height: 20 cm – 70 cm
- material: steel
- prepared for insulation of 50 mm thickness
- delivered in assembly components
- possible to apply on existing plinth

Filling

- multi-chamber polycarbonate
- domes: acrylic or solid polycarbonate
- sandwich panel
- multivariable single and multi-layer filling

Control system

- smoke exhaust: electric (24 V-), pneumatic
- ventilation: electric (230 V~), pneumatic

BIM and CAD models are available through our QR qode and on our website, in designer zone section

Fig. 29 – mcr S-THERM smoke vent with open leaf

Fig. 30 – mcr S-THERM smoke vent with open leaf

3.1.2 | Features

smoke exhaust

exhaust smoke, combustion gases and heat energy from enclosed spaces (production floors, storage spaces, public facilities, etc.) to the outside of buildings, in order to protect human lives and property

lighting

effective method of increasing natural light intensity in rooms and contribute to reducing total cost of energy

application

wide scope of shapes and sizes enable installation on warehouses, public services buildings, shopping malls, commercial and sport objects

additional elements

- wind deflectors (C, E)
- inlet deflectors
- anti-burglar grid
- safety net
- limit switch

heat transfer

product allows to achieve high heat transfer **Urc ≥ 0.9 W/m²K.**

3.1.3 | Certification

European Funds Smart Growth

European Union European Regional Development Fund

CE

Product certified according to EN 12101-2, CE-marked

Fig. 31 – mcr S-THERM smoke vent with open leaf

Fig. 32 – mcr S-THERM smoke vent with closed leaf

4.1 mcr OSO THERM | window exhaust system

4.1.1 | Description

» smoke exhaust and ventilation window types: top hung opening outward; top hung opening inward; bottom hung opening outward; bottom hung opening inward
» wide scope of window sizes:
  – **vertical set-up:**
    (W x H) 80 x 80 cm ÷ 160 x 220 cm
  – **horizontal set-up:**
    (W x H) 80 x 80 cm ÷ 270 x 130 cm
» wide selection of RAL palette colors and decorative woodgrain coating
» product acquires CE mark confirming compatibility with EN 12101-2

Design

» multi-chamber aluminum profiles
» leaf and frame groove system with covering profile for easy installation of cables and actuators consoles

Filling

» triple glass
» double glass
» sandwich panel

Control system

» smoke exhaust:
electric (24 V-/48 V-/230 V~)

BIM and CAD models are available through our QR qode and on our website, in designer zone section

Fig. 33 – mcr OSO THERM smoke exhaust windows

Fig. 34 – mcr OSO THERM smoke exhaust windows

4.1.2 | Features

smoke exhaust

exhaust smoke, combustion gases and heat energy from enclosed spaces (production floors, storage spaces, public facilities, etc.) to the outside of buildings, in order to protect human lives and property

lighting

effective method of increasing natural light intensity in rooms and contribute to reducing total cost of energy

ventilation

daily ventilation

application

wide scope of shapes and sizes enable installation on warehouses, public services buildings, shopping malls, commercial and sport objects

non-standard options

- possibility of making bi-color windows
- decorative bars referring to old or modern architecture
- glazing bars

heat transfer

product allows to achieve high heat transfer **Urc ≥ 0.8 W/m²K.**

4.1.3 | Certification

European Funds Smart Growth
European Union European Regional Development Fund

CE

Product acquires CE mark confirming compatibility with EN 12101-2

Fig. 35 – mcr OSO THERM smoke exhaust windows

Fig. 36 – mcr OSO THERM smoke exhaust windows

5.1 mcr LAM | louvered smoke, ventilation vents

5.1.1 | Description

- mcr LAM louvered smoke vents are assembled to roof slope with various angles and facades
- due to its construction louvered vents are resistant to wind and can be installed to roofs and high building facades
- vast range of sizes allow to obtain neccessary active area
- **wide scope of sizes:**
  – 80 x 50 cm ÷ 380 x 250 cm
- RAL palette color selection for vent elements

Design

Base

- height: 15 ÷ 25 cm
- material: steel, aluminum
- thermal insulation with mineral wool of 20 mm thickness

Blades

- types: transparent, non-transparent
- structure: aluminum profiles, multi-chamber polycarbonate or aluminum insulated/ noninsulated sheet

Control system

- smoke exhaust: electric (24 V-), pneumatic
- ventilation: electric (24 V-), pneumatic

BIM and CAD models are available through our QR qode and on our website, in designer zone section

Fig. 37 – mcr LAM louvered vent, roof mounted

Fig. 38 – mcr LAM louvered vent, facade mounted

5.1.2 | Features

smoke exhaust

exhaust smoke, combustion gases and heat energy from enclosed spaces (production floors, storage spaces, public facilities, etc.) to the outside of buildings, in order to protect human lives and property

lighting

effective method of increasing natural light intensity in rooms and contribute to reducing total cost of energy

ventilation

provides air supply and daily ventilation

application

wide scope of shapes and sizes enable installation on warehouses, public services buildings, shopping malls, commercial and sport objects

additional elements

- rain shield
- thermo switch
- limit switch
- steel plinth for mounting on the roof

5.1.3 | Certification

European Funds Smart Growth

European Union European Regional Development Fund

CE

Product acquires CE mark confirming compatibility with EN 12101-2

Fig. 39 – mcr LAM louvered vent, roof mounted - inside view

Fig. 40 – mcr LAM louvered vent, roof mounted

6.1 mcr PROSMOKE | smoke curtains

6.1.1 | Description

- fire resistance parameters:
  - **automatic curtains:** D30 / DH30 / DH60 or D180
  - **fixed curtains:** D180/DH60 (material) or DH120 (steel)
- vast range of curtain mounting to ceiling lintel or object construction
- automatic curtain as one-folded or modular device can be connected under an angle or contain evacuation entrance
- painting steel components with chosen RAL palette color
- product acquires CE mark confirming compatibility with EN 12101-1

Design

Base

- **mcr PROSMOKE ONE*** – automatic smoke curtain
- **mcr PROSMOKE CE*** – automatic smoke curtain (rolled and unrolled with motor)
- **mcr PROSMOKE FS*** – automatic smoke curtain (fail-safe gravitational drop)
- **mcr PROSMOKE S** – fixed fabric curtain
- **mcr PROSMOKE ST** – fixed steel curtain

Automatic curtain – structure

- steel sheet casing with roller
- incombustible fabric
- motor
- bottom balast
- masking element

Fixed control

- **fixed fabric curtain:**
  - steel profile: load bearing and pressing
  - incombustible fabric
  - bottom balast
- **fixed steel curtain:**
  - trapezoidal metal sheet
  - load bearing and bracing elements

BIM and CAD models are available through our QR qode and on our website, in designer zone section

Fig. 41 – mcr PROSMOKE material smoke curtain

Fig. 42 – mcr PROSMOKE material smoke curtain

6.1.2 | Features

application

wide scope of shapes and sizes enable installation in warehouses, public services buildings, shopping malls, commercial and sport objects

separation of smoke zones

separated smoke zones stop the spread of smoke in passageways, staircases, stairs and hold the smoke in a room adjacent to the evacuation route. Correct arrangement of smoke curtains in the facility allows the smoke to be directed towards other system devices – smoke vents

non-standard options

- installation passages in fixed curtains
- elements painted to any RAL color
- service passage
- guides

smoke flow optimisation and gas redirection into smoke vents

proper placement of smoke curtains in a building makes it possible to direct the smoke towards other elements of the system, i.e. smoke vents

6.1.3 | Certification

European Funds Smart Growth
European Union European Regional Development Fund

CE

mcr PROSMOKE CE, CE 1

Product acquires CE mark confirming compatibility with EN 12101-1

Fig. 43 – mcr PROSMOKE steel smoke curtain

Fig. 44 – mcr PROSMOKE material smoke curtain

Notes

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