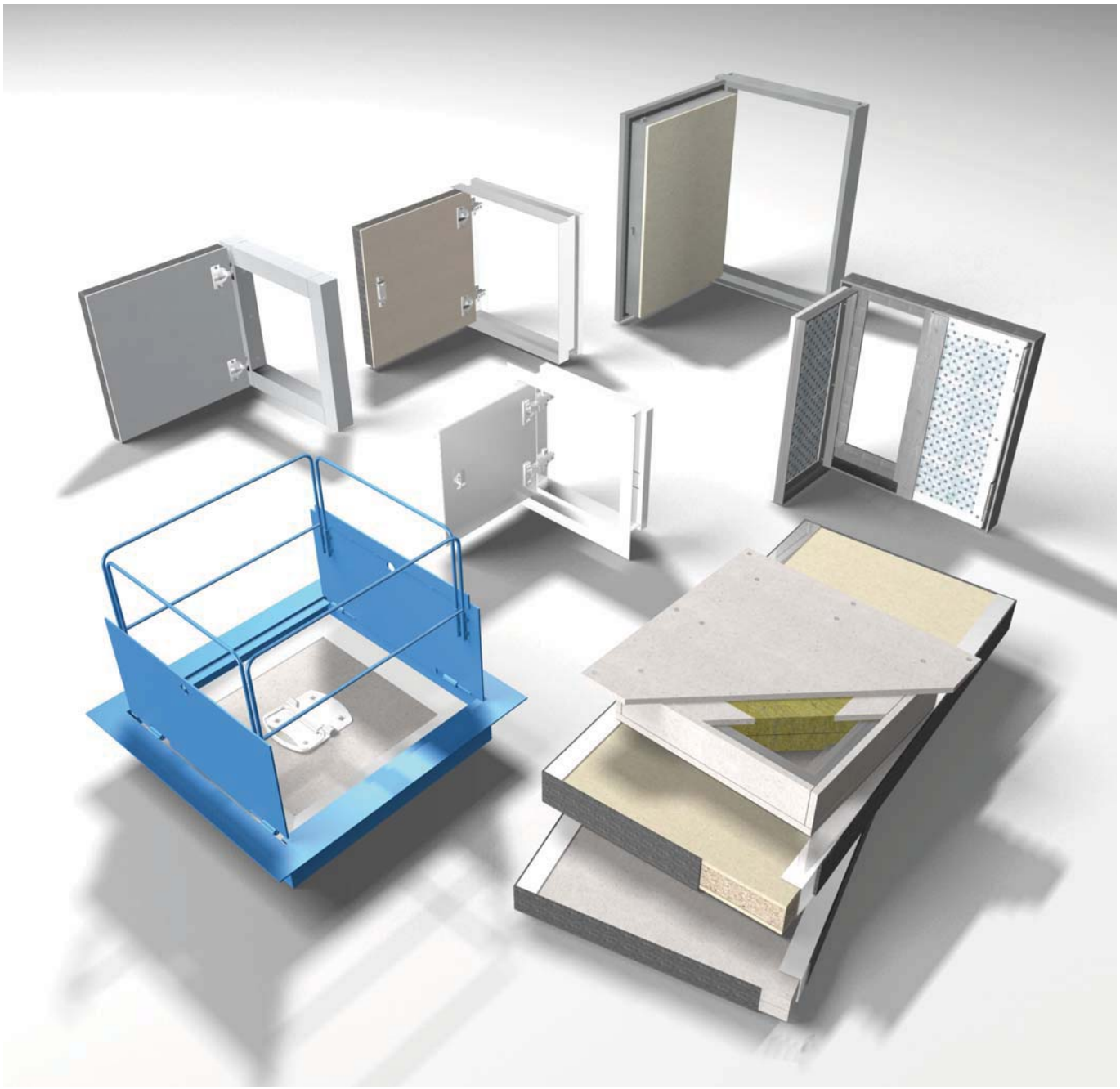
Promat

PASSIVE FIRE PROTECTION SYSTEMS
Application & Technical Manual:
Access Panels



For Promat Asia Pacific Organisation • May 2016

PASSIVE FIRE PROTECTION SYSTEMS Application & Technical Manual: Access Panels – Contents

Access Panels General Information ____ 1

Access Panels System Index ____ 2 - 4

PROMATECT®-L Ceiling/Floor Access Panel ____ 5 - 6

PROMATECT®-L Ceiling/Floor Access Hatch ____ 7

PROMATECT®-L Ceiling/Floor Access Panel/Hatch Architectural Specification ____ 8

PROMATECT®-L/PROMATECT® 50 Ceiling/Floor Access Hatch ____ 9

PROMATECT®-L/PROMATECT® 50 Ceiling/Floor Access Hatch Architectural Specification ____ 10

PROMATECT®-H Floor Access Panel ____ 11

PROMATECT®-H Floor Access Panel Architectural Specification ____ 12

PROMATECT®-L Wall/Partition Access Hatch ____ 13

PROMATECT®-L Wall/Partition Access Hatch Architectural Specification ____ 14

PROMATECT®-H/PROMINA® 60 Wall/Partition Access Hatch ____ 15

PROMATECT®-H/PROMINA® 60 Wall/Partition Access Hatch Architectural Specification ____ 16

PROMATECT®-H/PROMATECT®-L Ceiling/Floor/ Wall/Partition Access Hatch ____ 17

PROMATECT®-H/PROMATECT®-L Ceiling/Floor/ Wall/Partition Access Panel ____ 18

PROMATECT®-H/PROMATECT®-L Ceiling/Floor/ Wall/Partition Access Panel/Hatch Architectural Specification ____ 19

PROMATECT®-H Ceiling/Partition Access Panel ____ 20

PROMATECT®-H Ceiling/Partition Access Panel Architectural Specification ____ 21

PROMATECT®-H Floor/Wall Fixed Panel, Type 1 ____ 22

PROMATECT®-H Floor/Wall Fixed Panel, Type 2 ____ 23

PROMATECT®-H Floor/Wall Fixed Panel, Types 1 & 2 Architectural Specification ____ 24

PROMATECT®-H Wall Fixed Panel ____ 25

PROMATECT®-H Wall Fixed Panel Architectural Specification ____ 26

PROMATECT®-H Floor/Wall Access Hatch ____ 27

PROMATECT®-H Floor/Wall Access Hatch Architectural Specification ____ 28

PROMATECT® 50 Wall Access Hatch ____ 29

PROMATECT® 50 Wall Access Hatch Architectural Specification ____ 30

PROMAVIC® 50 Floor/Wall Access Panel ____ 31

PROMAVIC® 50 Floor/Wall Access Panel Architectural Specification ____ 32

PROMATECT®-S Floor/Wall Fixed Panel ____ 33

PROMATECT®-S Floor/Wall Access Panel With Lift Handle ____ 34

PROMATECT®-S Floor/Wall Fixed/Access Panel Architectural Specification ____ 35

PROMATECT®-S Floor/Wall Single Leaf Access Hatch ____ 36

PROMATECT®-S Floor/Wall Double Leaf Access Hatch ____ 37

PROMATECT®-S Floor/Wall Access Hatch Architectural Specification ____ 38

PROMATECT®-S/PROMACLEAR® 120 Floor/Wall Vision Access Panel ____ 39

PROMATECT®-S/PROMACLEAR® 120 Floor/Wall Vision Access Panel Architectural Specification ____ 40

PROMATECT®-L500 Floor Pit Cover ____ 41

PROMATECT®-L500 Floor Pit Cover Architectural Specification ____ 42

PROMATECT®-H/PROMATECT®-L500 Floor Lift Motor Room Hatch ____ 43

PROMATECT®-H/PROMATECT®-L500 Floor Lift Motor Room Hatch Architectural Specification ____ 44

The term “panel” describes access panels on ceilings or walls that are used for periodic maintenance or repairs. Access panels are mechanically fixed into position. The term “hatch” is applied to access hatches on ceilings or walls for regular use. They are either hinged or screw fixed.

Both panels and hatches are common and essential elements used for carrying out daily maintenance in buildings and routine inspection of most M&E services within building compartments. Depending on the location, some of these will require small openings, typically 600mm x 600mm, while some areas may require larger apertures, e.g. the size of a single or even double leaf doorset.

Promat panels and hatches are approved in a range of sizes and fire resistance, offering flexibility for any type of opening in substrates such as walls, floors or ceilings. They are easy to install and can be finished or decorated to suit the surrounding building elements. The types of fixing for these panels and hatches largely depends on the area of application, frequency of carrying out maintenance, appearance and the weight of the panels/hatches.

Common in most applications, hinged hatches are usually prefabricated in a standard size of 600mm x 600mm. They can also be custom made to specified dimensions, depending on size and quantity. Safety chains are fitted to all panels exceeding 450mm x 450mm in size. Preformed holes in all four sides of the frame are positioned to match metal structures of the ceiling or wall for secure screw fixing.

Screw fixed panels can be fabricated in situ and offer ideal flexibility when used in conjunction with Promat partitions or ceilings.

All panels and hatches must have a fire resistance level at least equal to the surrounding building elements and/or constructions. These can be suspended ceilings, concrete/masonry floors or walls, lightweight partitions etc. Care should be taken to ensure any gaps between the panel/hatch and the aperture are thoroughly sealed to prevent hot or cold smoke ingress from natural building or thermal movement.

Fire Resistant Test Standards

Promat panels and hatches have been tested to BS 476: Parts 20 and/or 22: 1987 and AS 1530: Part 4: 2005. However, DIN 4102 has been considered in some instances. The test specimens are heated in the manner prescribed within these standards until the failure criteria are achieved. Time required for the failure criteria to occur are measured and referred to as fire resistance levels (FRL). For the vocabulary of fire resistance performance criteria, please refer to the *Passive Fire Protection Systems Application & Technical Manual* available upon request.

Fixing

In order to avoid cutting furring channels or installing metal studs out of normal centres, it is recommended that panels or hatches fall within dimensions of 600mm widths.

When a hinged hatch is installed in a wall, it is important to place the hinge arrangement at the bottom of the opening, not at the side. This prevents the hatch from falling out of the wall as the locks at the top side of the hatch hold it in place and the hinges at bottom are not exposed to frequent or prolonged pulling stress.

Finishing

After installation, Promat panels or hatches may be painted subject to end user’s preference. It is recommended that the paints used should be water based, e.g. an emulsion type paint. If necessary, the surface of the panels or hatches can be decorated with wall papers or proprietary tiles (subject to weight restrictions).

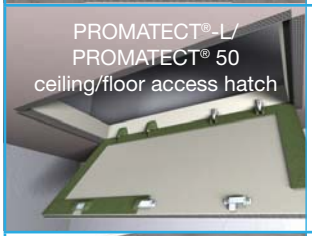
Please consult Promat for further details on finishing requirements.

240 minute fire resistant PROMATECT®-S access panel (above) on the wall besides the railway track at the MRT station near People Park, Singapore.

PROMATECT®-L access panels on the ceilings (above right) and wall columns (right) of a project at Kirketon Road, Darlinghurst district in Sydney, Australia.

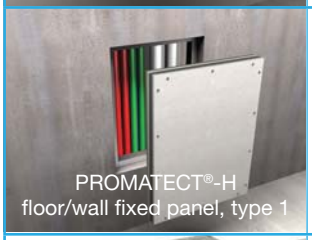
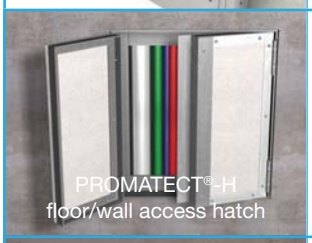
Promat

Access Panels System Index

Type	Fire resistance performance	Maximum panel/hatch size	Supporting frame	Test/Approval no.	Page no.
PROMATECT®-L ceiling/floor access panel, type 1 	-/120/120	1200mm x 600mm	Galvanised steel angles	BRE CC85968 to the requirements of BS 476: Parts 20 to 22: 1987 and AS 1530: Part 4: 2005	5
PROMATECT®-L ceiling/floor access panel, type 2 	-/60/60	700mm x 700mm	Galvanised steel angles	BRANZ FP1606 and BTL 92/341 to the requirements of AS 1530: Part 4: 2005	6
PROMATECT®-L ceiling/floor access hatch 	-/60/60	700mm x 700mm	Access hatch framework	BRANZ FP1606 and BTL 91/165 to the requirements of AS 1530: Part 4: 2005	7
PROMATECT®-L/ PROMATECT® 50 ceiling/floor access hatch 	-/90/60	1200mm x 600mm	Galvanised steel angles	BRANZ FAR 3400, BRANZ FAR 3438 and BRANZ FP4395 to the requirements of BS 476: Parts 20 to 22: 1987 and/or AS 1530: Part 4: 2005	9
PROMATECT®-H floor access panel 	120/120/120	1000mm x Unlimited width	Galvanised steel angles on perimeter framework	WFRC C54597 to the requirements of BS 476: Parts 20 and 21: 1987	11
PROMATECT®-L wall/partition access hatch 	-/120/60	700mm x 700mm	Access hatch framework	BRANZ FP1606 and BRANZ 99/1448 to the requirements of AS 1530: Part 4: 2005	13
PROMATECT®-H/PROMINA® 60 wall/partition access hatch 	-/60/60	2050mm x 850mm	Galvanised steel perimeter framework	WFRC 148735 to the requirements of BS 476: Parts 20 to 22: 1987	15
PROMATECT®-H/PROMATECT®-L ceiling/floor/wall/partition access hatch 	-/30/30 -/60/60 -/90/90 -/120/120	700mm x 700mm	Not required	WFRA C91362, WFRA C91363 and WFRA C91364 to the requirements of AS 1530: Part 4: 2005	17

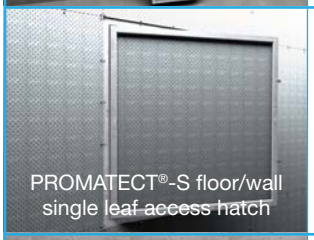
Promat

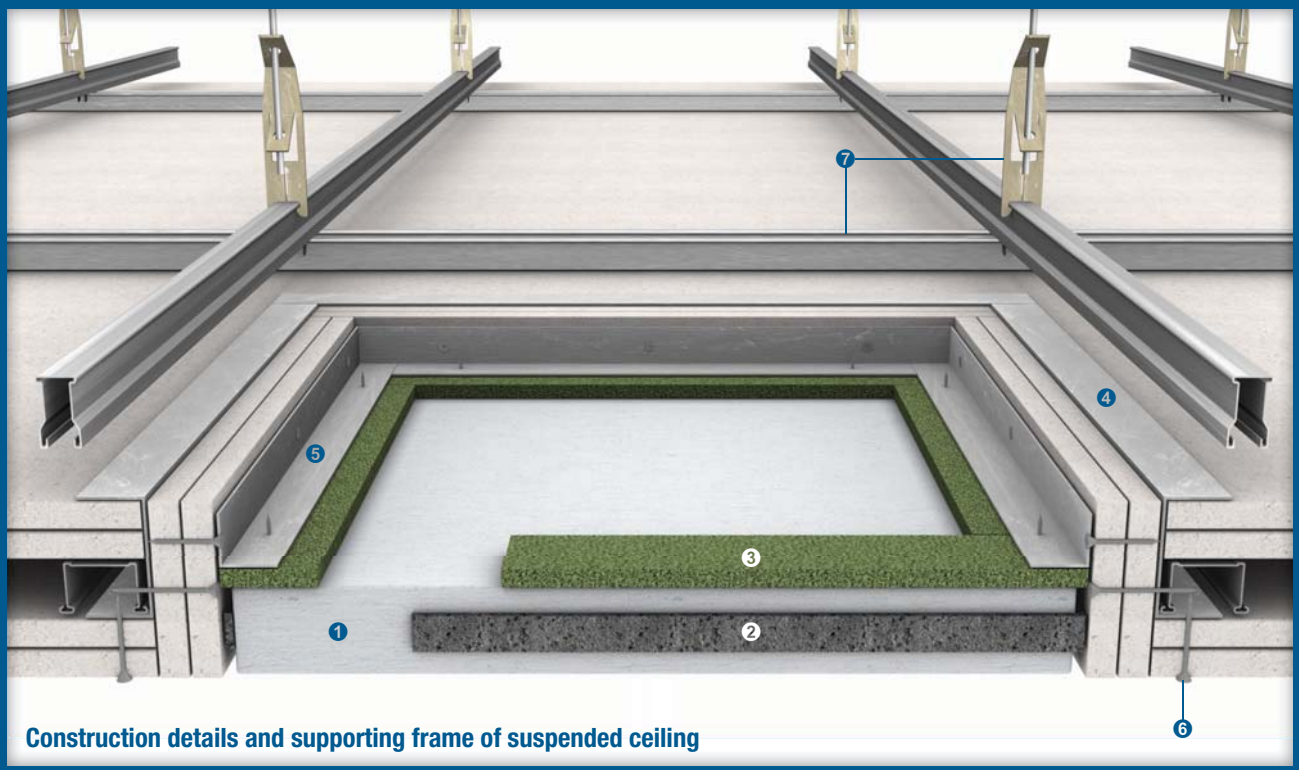
Access Panels System Index

Type	Fire resistance performance	Maximum panel/hatch size	Supporting frame	Test/Approval no.	Page no.
 PROMATECT®-H/PROMATECT®-L ceiling/floor/wall/partition access panel	-/30/30 -/60/60 -/90/90 -/120/120	700mm x 700mm	Not required	WFRA C91362, WFRA C91363 and WFRA C91364 to the requirements of AS 1530: Part 4: 2005	18
 PROMATECT®-H ceiling/partition access panel	-/120/120	1200mm x 600mm	Galvanised steel channels (optional)	LPC CC82013 to the requirements of BS 476: Parts 20 to 22: 1987 and AS 1530: Part 4: 2005	20
 PROMATECT®-H floor/wall fixed panel, type 1	-/120/30 -/120/120	1500mm x 1000mm	Not required	LPC CC83687B to the requirements of AS 1530: Part 4: 2005	22
 PROMATECT®-H floor/wall fixed panel, type 2	-/120/-	2440mm x 1220mm	Not required	BRE CC83300 and LPC CC91392 to the requirements of BS 476: Parts 20 to 22: 1987 and/or AS 1530: Part 4: 2005	23
 PROMATECT®-H wall fixed panel	-/60/60 -/120/120	2300mm x 1100mm	Not required	BRE CC262940 to the requirements of BS 476: Parts 20 to 22: 1987	25
 PROMATECT®-H floor/wall access hatch	-/120/-	2400mm x 610mm	Galvanised steel channels, angles and Z-section	BRE CC201410 to the requirements of BS 476: Parts 20 to 22: 1987	27
 PROMATECT® 50 wall access hatch	-/60/60	2000mm x 800mm	Not required	R14D28 to the requirements of BS EN 1634: Part 1: 2008	29
 PROMAVIC® 50 floor/wall access panel	-/180/180	1220mm x 1500mm	Not required	PSB 719188889-MEC10-KKC to the requirements of BS 476: Parts 20 to 22: 1987	31

Promat

Access Panels System Index

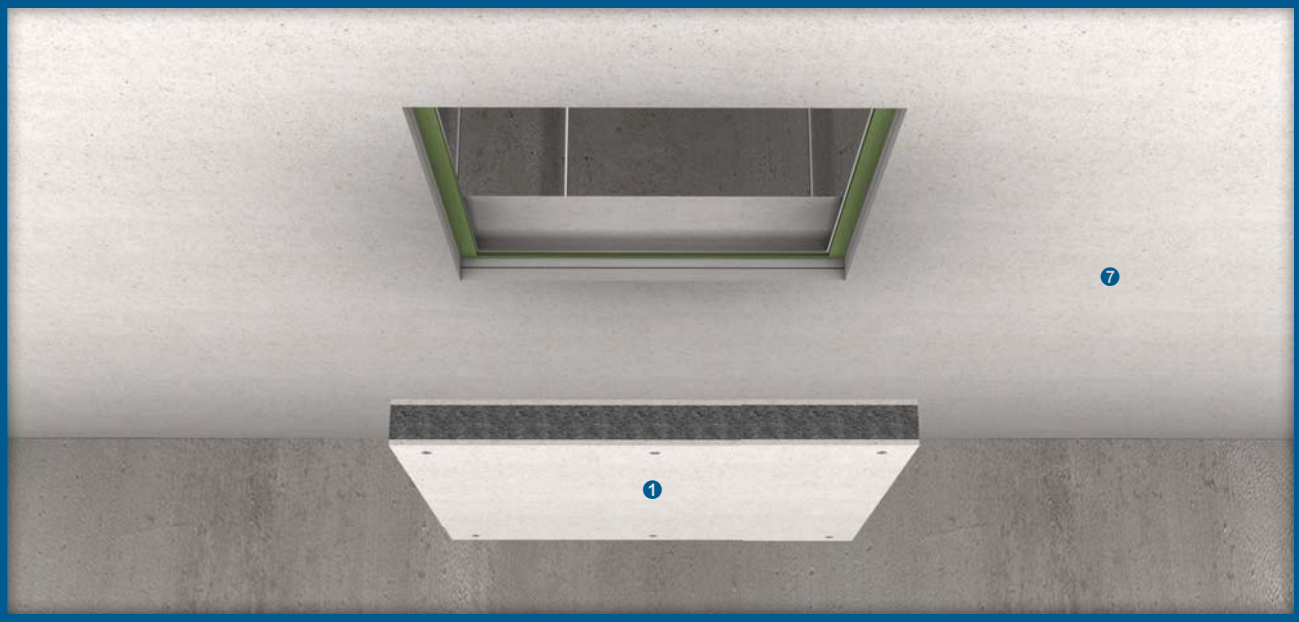
Type	Fire resistance performance	Maximum panel/hatch size	Supporting frame	Test/Approval no.	Page no.
 PROMATECT®-S floor/wall fixed panel	-/120/- -/240/-	2500mm x 1200mm	Not required	WFRC 133193 to the requirements of BS 476: Parts 20 to 22: 1987	33
 PROMATECT®-S floor/wall access panel with lift handle	-/240/-	2260mm x 600mm	Galvanised steel channels	BRE CC209415 to the requirements of BS 476: Parts 20 to 22: 1987	34
 PROMATECT®-S floor/wall single leaf access hatch	-/240/-	1200mm x 1200mm	Galvanised steel channels	BFTC 00/01B to the requirements of BS 476: Parts 20 to 22: 1987	36
 PROMATECT®-S floor/wall double leaf access hatch	-/120/- -/240/-	2200mm x 1200mm	Galvanised steel channels, angles and Z-section	BRE CC203778 to the requirements of BS 476: Parts 20 to 22: 1987	37
 PROMATECT®-S floor/wall vision access panel	-/240/-	1200mm x 600mm	Galvanised steel angles and Z-sections	RED I2M01 to the requirements of BS 476: Parts 20 to 22: 1987	39
 PROMATECT®-L500 floor pit cover	180/180/180	1295mm x 725mm (manufactured to order)	Not required	WFRA C91314 to the requirements of AS 1530: Part 4: 2005	41
 PROMATECT®-H/ PROMATECT®-L500 floor lift motor room hatch	120/120/30	1200mm x 600mm	Galvanised steel channels	WFRA C91523 to the requirements of AS 1530: Part 4: 2005	43

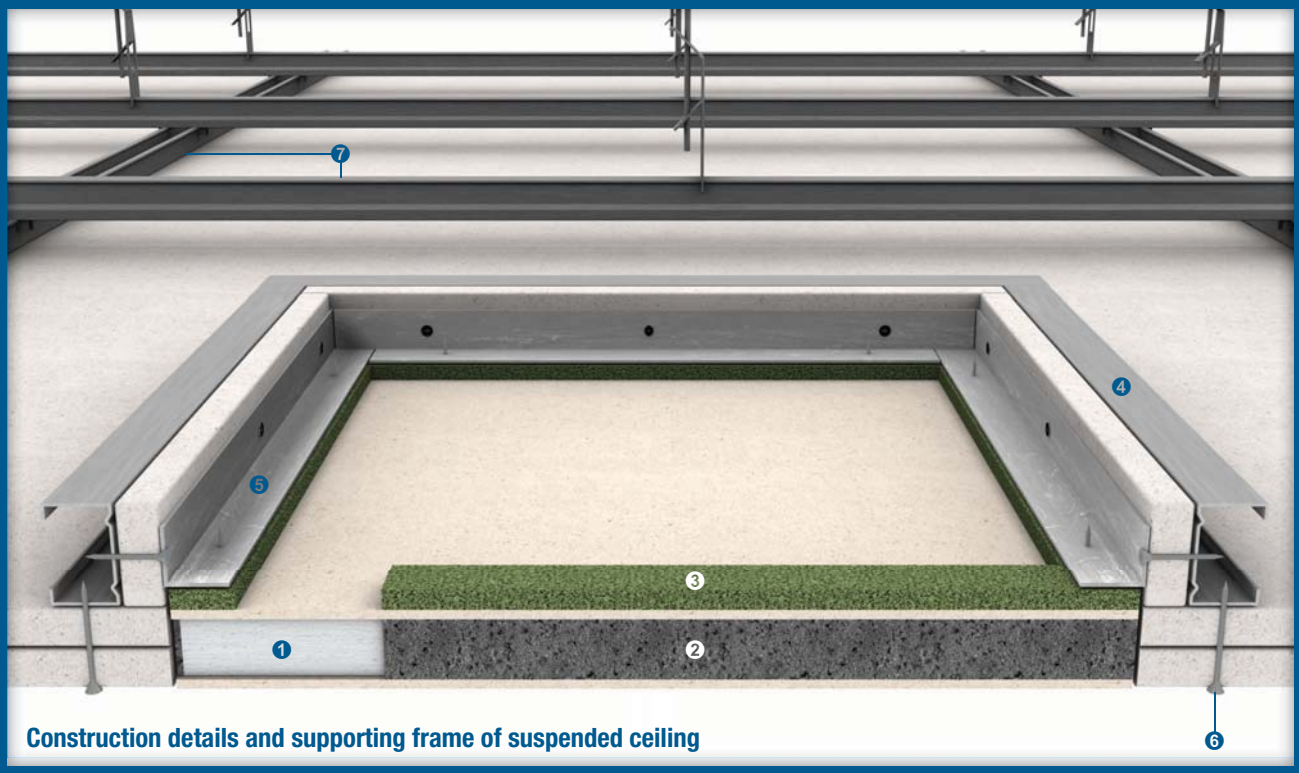


Construction details and supporting frame of suspended ceiling

Up to -/120/120 fire resistance in accordance with the requirements of BS 476: Parts 20 to 22: 1987 and AS 1530: Part 4: 2005

1. PROMATECT®-L board 50mm thick, maximum size 1200mm x 600mm
2. PROMASEAL® Intumescent Strip 30mm x 2mm thick at perimeter
3. PROMASEAL® IBS™ 50mm x 10mm thick fitted between 1 and 5
4. Galvanised steel channel 60mm x 25mm x 1.2mm thick
5. Galvanised steel angle minimum 30mm x 30mm x 1.2mm thick
6. 75mm self-tapping screws at nominal 250mm centres
7. Fire resistant self-supporting/suspended membrane ceiling or concrete/masonry floor

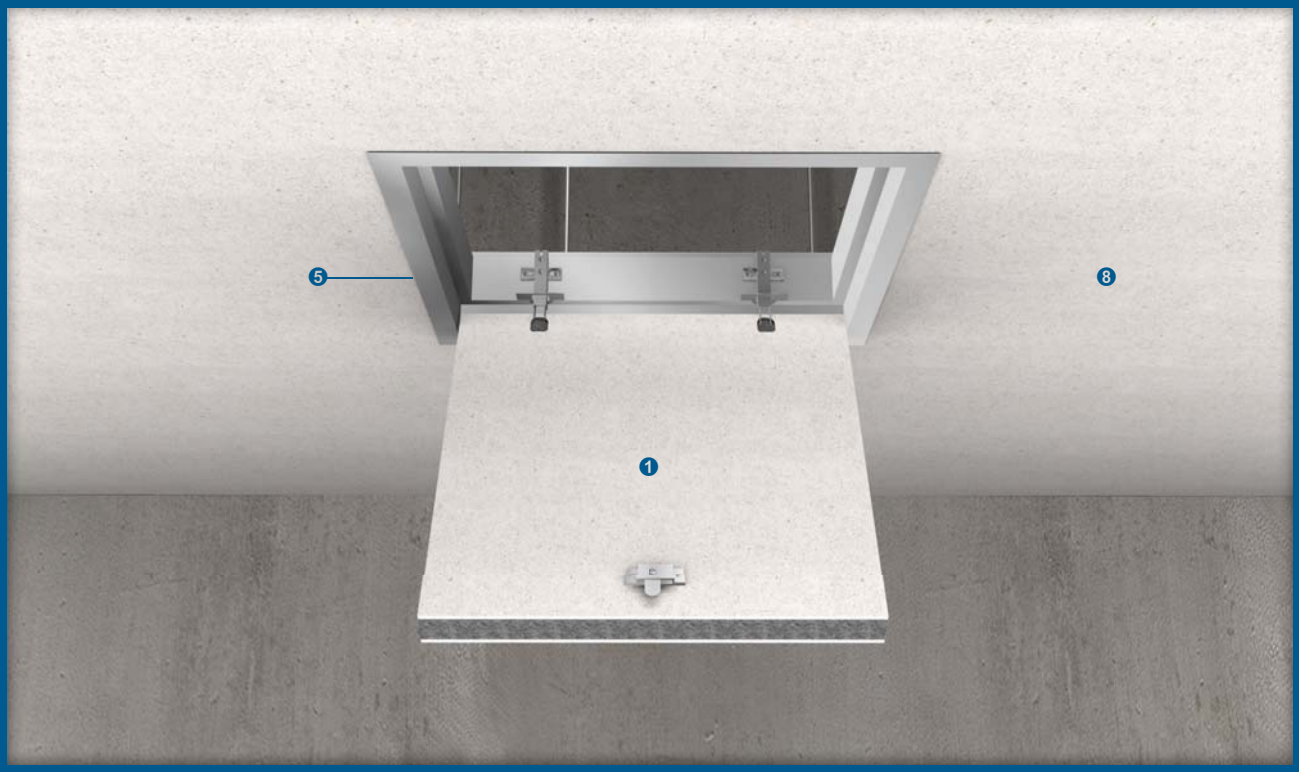


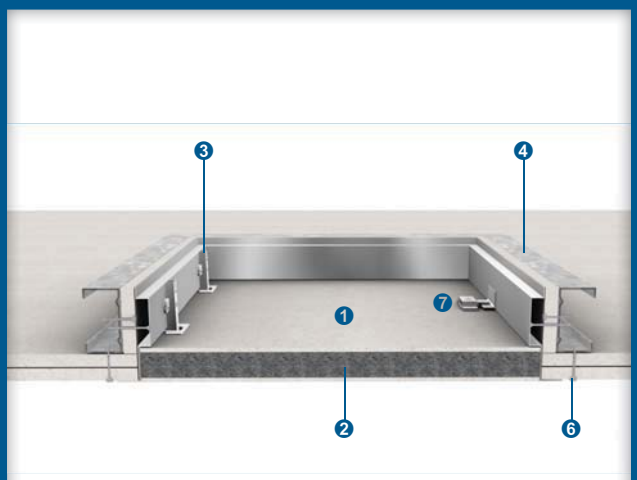


Construction details and supporting frame of suspended ceiling

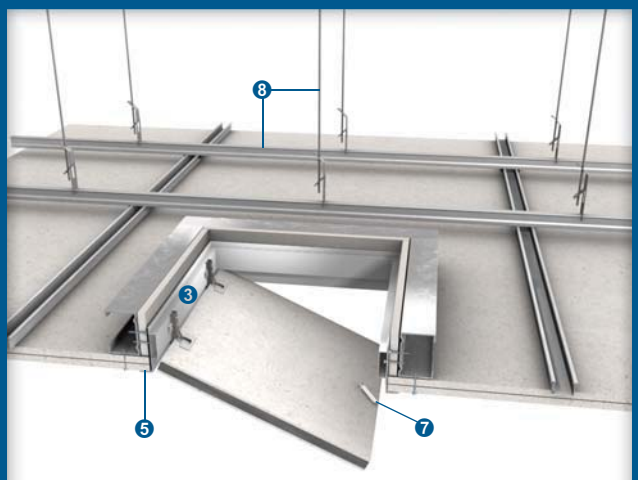
Up to -/60/60 fire resistance in accordance with the requirements of AS 1530: Part 4: 2005

1. PROMATECT®-L board 30mm thick (maximum size 700mm x 700mm) covered with one layer of medium density fibreboard, 5mm thick on each side
2. PROMASEAL® Intumescent Strip 30mm x 2mm thick at perimeter
3. PROMASEAL® IBS™ 30mm x 10mm thick fitted between 1 and 5
4. Galvanised steel channel, size in accordance with the existing system of 7
5. Galvanised steel angle minimum 30mm x 30mm x 1.5mm thick
6. 75mm self-tapping screws at nominal 250mm centres
7. Fire resistant self-supporting/suspended membrane ceiling or concrete/masonry floor





Construction details and supporting frame of suspended ceiling



Up to -/60/60 fire resistance in accordance with the requirements of AS 1530: Part 4: 2005

1. PROMATECT®-L board 30mm thick (maximum size 700mm x 700mm) covered with one layer of medium density fibreboard, 5mm thick on each side
2. PROMASEAL® Intumescent Strip 30mm x 2mm thick at perimeter
3. Access hatch framework with hinges
4. Galvanised steel channel, size in accordance with the existing system of 8
5. Galvanised steel trimming flange (optional)
6. 75mm self-tapping screws at nominal 250mm centres
7. Lock set, quantity and centres of the locks depend on overall hatch size
8. Fire resistant self-supporting/suspended membrane ceiling or concrete/masonry floor

The following are standard Architectural Specifications for access panels and access hatches using PROMATECT®-L. The designer must determine the suitability of the design for the proposed application and regulatory requirements before undertaking or constructing any works relating to the specifications and where in doubt should obtain the advice of a suitably qualified engineer. All installations must be certified as appropriate.

Horizontal Area of Application

Horizontally oriented building elements such as concrete or masonry floors, and self-supporting or suspended membrane ceilings.

Fire Attack From Both Sides

_____ minute(1) fire resistance, integrity and _____ minute(1) insulation in accordance with the criteria of BS 476: Parts 20 to 22: 1987 and/or AS 1530: Part 4: 2005(2).

Type of Construction

The access panel or or access hatch(2) is installed only as a non loadbearing building element. Loading is strictly prohibited.

Type of Fixing

There are three common methods to install the access panel or access hatch(2), i.e. screw fixed, hinge fixed and drop-in type, depending on site condition and preference of end user.

Supporting Structure

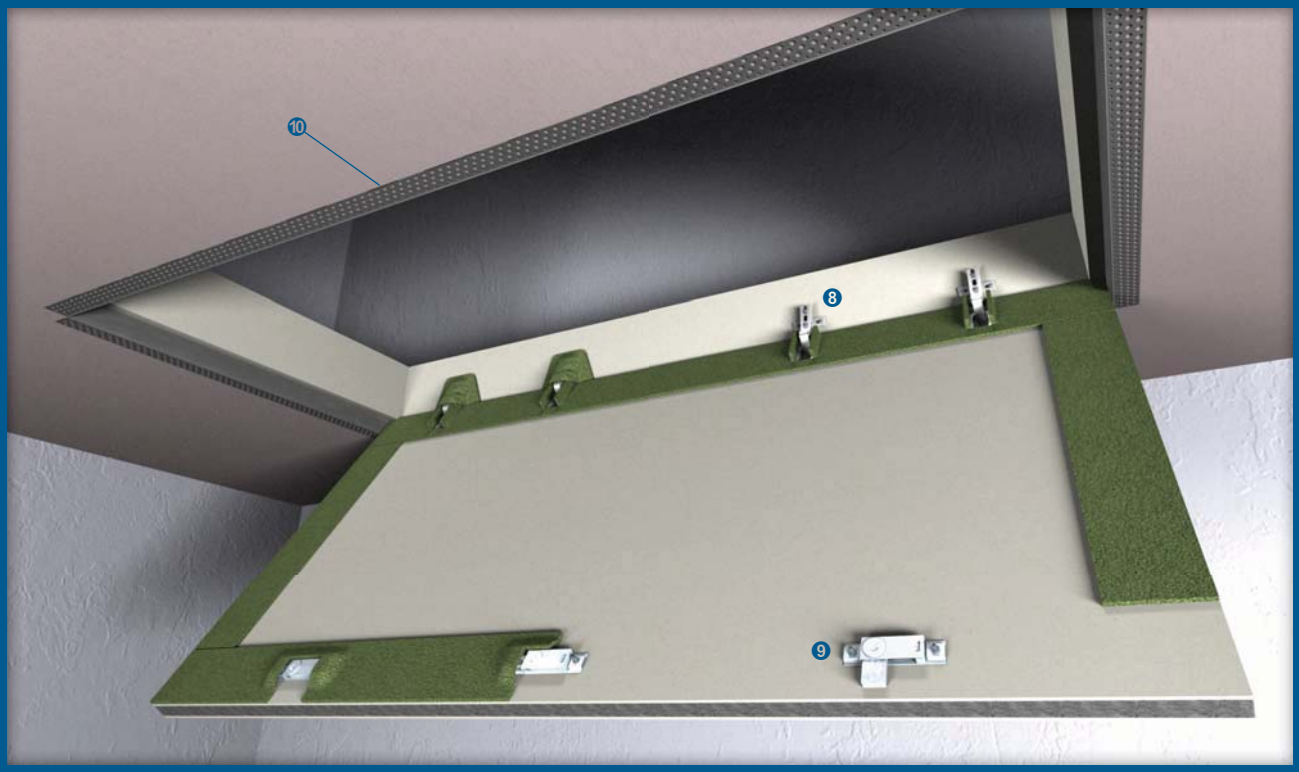
Care should be taken to ensure that any structural element to which the access panel or access hatch(2) is attached has a fire resistance equal to or greater than _____ minutes(1) and is capable of supporting the installed system for the required period.

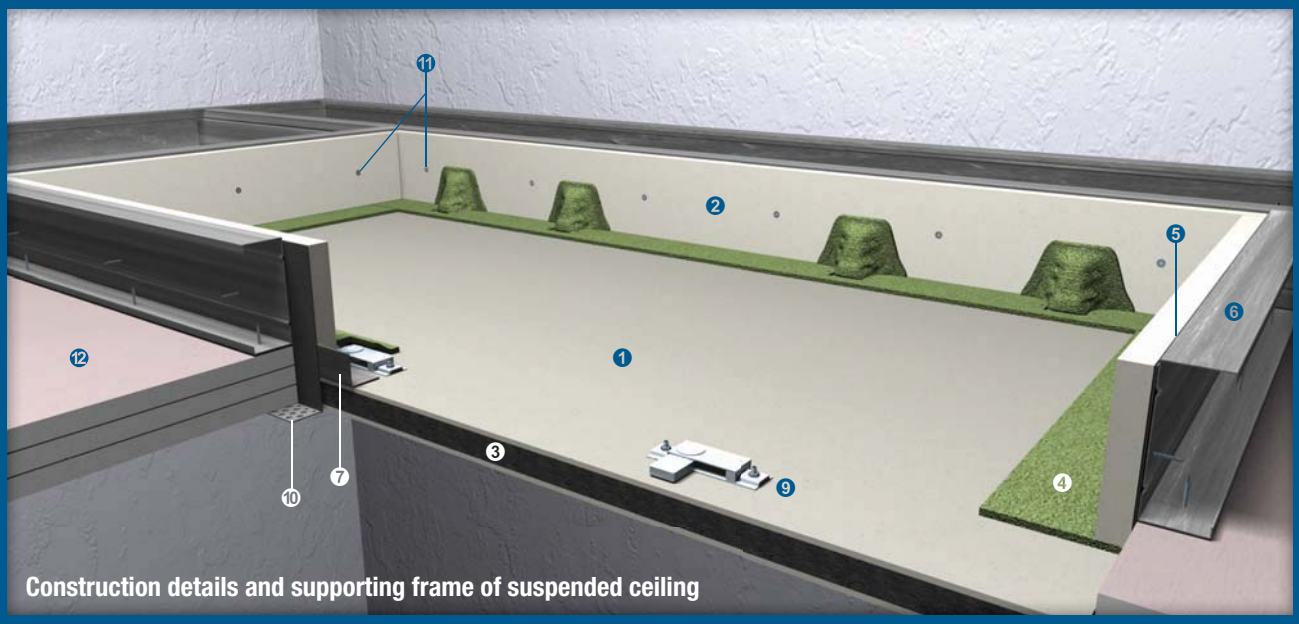
Available Sizes

May be supplied in modules of 300mm x 300mm, 400mm x 400mm, 450mm x 450mm, 530mm x 530mm, 600mm x 600mm, 700mm x 700mm and maximum 1200mm x 600mm.

NOTE:

- (1) insert required fire resistance/insulation level (not exceeding 120 minutes for modules up to 1200mm x 600mm and not exceeding 60 minutes for modules up to 700mm x 700mm).
- (2) delete as appropriate.





Construction details and supporting frame of suspended ceiling

Up to -/90/60 fire resistance in accordance with the requirements of BS 476: Parts 20 to 22: 1987 and AS 1530: Part 4: 2005

1. PROMATECT®-L board 20mm thick (maximum size 1200mm x 600mm) covered with one layer of PROMATECT® 50, 6mm thick on each side
2. PROMATECT® 50 strip 18mm thick
3. PROMASEAL® Intumescent Strip 30mm x 2mm thick at perimeter
4. PROMASEAL® IBS™ 80mm x 5mm thick fitted between 1 and 2
5. Gaps filled with PROMASEAL®-A Acrylic Sealant
6. Galvanised steel channel, size in accordance with the existing system of 12
7. Galvanised steel angle 90mm x 35mm x 0.8mm thick
8. Hinges
9. Lock set, quantity and centres of the locks depend on overall hatch size
10. EZY reveal 90mm wide
11. No. 6 x 32mm self-tapping screws at nominal 100mm centres
12. Fire resistant self-supporting/suspended membrane ceiling or concrete/masonry floor

The following is standard Architectural Specification for access hatch using combination of PROMATECT®-L and PROMATECT® 50. The designer must determine the suitability of the design for the proposed application and regulatory requirements before undertaking or constructing any works relating to the specifications and where in doubt should obtain the advice of a suitably qualified engineer. All installations must be certified as appropriate.

Horizontal Area of Application

Horizontally oriented building elements such as concrete or masonry floors, and self-supporting or suspended membrane ceilings.

Fire Attack From Both Sides

_____ minute(1) fire resistance, integrity and _____ minute(2) insulation in accordance with the criteria of BS 476: Parts 20 to 22: 1987 and/or AS 1530: Part 4: 2005(3).

Type of Construction

The access hatch is installed only as a non loadbearing building element. Loading is strictly prohibited.

Type of Fixing

This access hatch is to be supplied hinged and installed with locks.

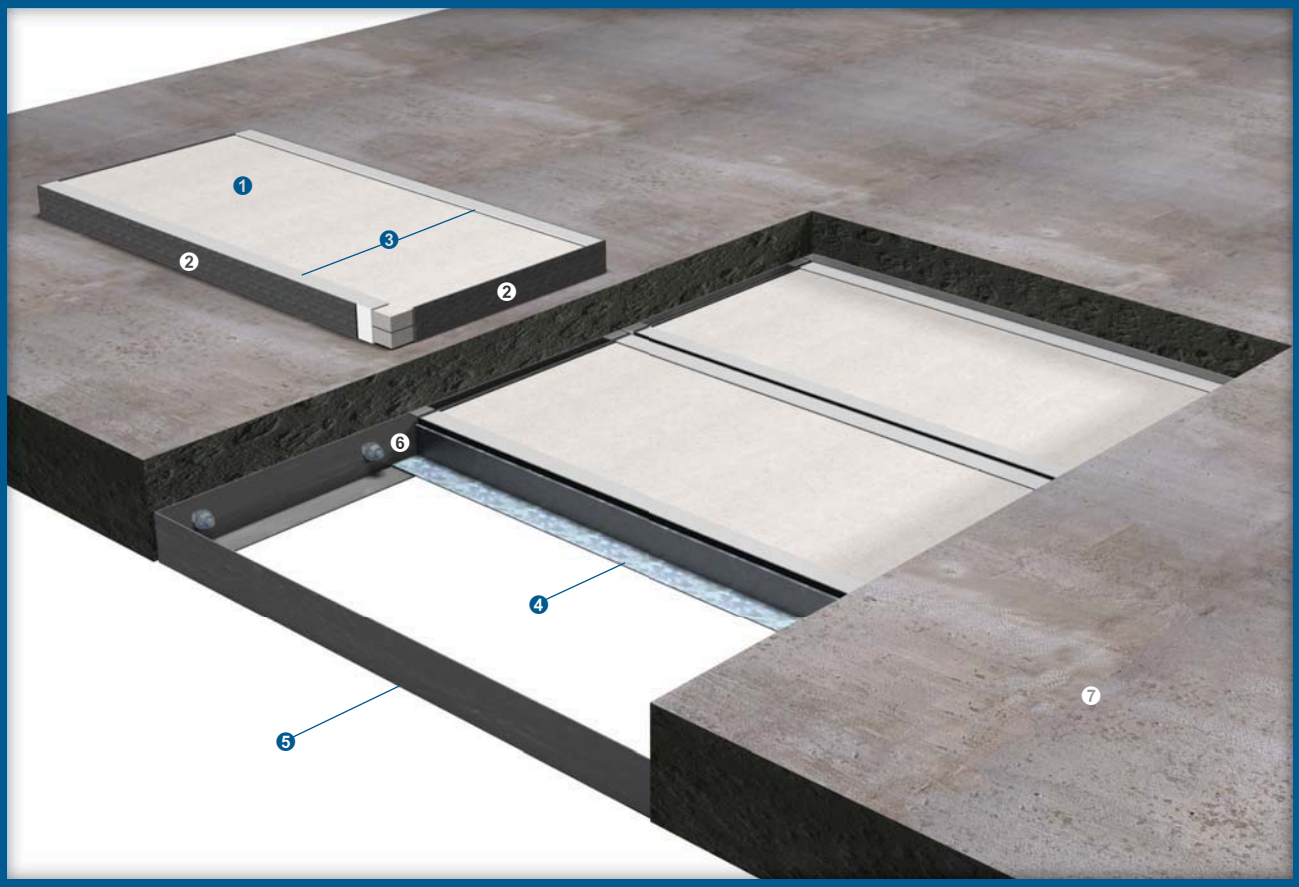
Supporting Structure

Care should be taken to ensure that any structural element to which access hatch is attached has a fire resistance equal to or greater than _____ minutes(1) and is capable of supporting the installed system for the required period.

Available Sizes

May be supplied in modules of maximum 1200mm x 600mm.

NOTE:
- (1) insert required fire resistance level not exceeding 90 minutes.
- (2) insert required insulation level not exceeding 60 minutes.
- (3) delete as appropriate.



Up to 120/120/120 fire resistance in accordance with the requirements of BS 476: Parts 20 and 21: 1987; loadbearing capacity depends upon maximum span and framing dimensions

1. Two layers of PROMATECT®-H board stitched together, 25mm thick each, maximum size 1000mm x unlimited width
2. PROMASEAL® Intumescent Strip 50mm x 1.5mm thick at perimeter
3. Galvanised steel channel 50mm x 35mm x 1.5mm thick
4. Two pieces of galvanised steel angle, 50mm x 50mm x 1.5mm thick each (or other sizes specified by engineer) fixed back to back forming a T-section
5. Galvanised steel perimeter framework, 75mm x 50mm x 1.5mm thick (or other sizes specified by engineer) for loadbearing purposes
6. M8 x 40mm anchor bolts at nominal 300mm centres
7. Fire resistant concrete/masonry floor

The following is standard Architectural Specification for access panel using PROMATECT®-H. The designer must determine the suitability of the design for the proposed application and regulatory requirements before undertaking or constructing any works relating to the specifications and where in doubt should obtain the advice of a suitably qualified engineer. All installations must be certified as appropriate.

Horizontal Area of Application

Horizontally oriented building elements such as concrete or masonry floors.

Fire Attack From Both Sides

_____ minute(1) fire resistance, integrity and _____ minute(1) insulation in accordance with the criteria of BS 476: Parts 20 and 21: 1987.

Type of Construction

The access panel can be installed as a loadbearing building element. Please consult Promat to ensure loading limitations are fully complied with.

Type of Fixing

This access panel is of drop-in type.

Supporting Structure

Care should be taken to ensure that any structural element to which access panel is attached has a fire resistance equal to or greater than _____ minutes(1) and is capable of supporting the installed system for the required period.

Available Sizes

May be supplied in modules of maximum 1000mm x unlimited width.

NOTE:
- (1) insert required fire resistance/insulation level not exceeding 120 minutes.

Optional steel trimming flange for frame edges

Up to -/120/60 fire resistance in accordance with the requirements of AS 1530: Part 4: 2005

1. PROMATECT®-L board 30mm thick (maximum size 700mm x 700mm) covered with one layer of medium density fibreboard, 5mm thick on each side
2. PROMASEAL® Intumescent Strip 30mm x 2mm thick at perimeter
3. Access hatch framework
4. Hinges
5. Lock set, quantity and centres of the locks depend on overall hatch size
6. General building services, e.g. electrical cables, metal pipes etc
7. Fire resistant concrete/masonry wall or steel/timber framed lightweigt partition

The following is standard Architectural Specification for access hatch using PROMATECT®-L. The designer must determine the suitability of the design for the proposed application and regulatory requirements before undertaking or constructing any works relating to the specifications and where in doubt should obtain the advice of a suitably qualified engineer. All installations must be certified as appropriate.

Vertical Area of Application

Vertically oriented building elements such as concrete, masonry or brick walls, and lightweight partitions.

Fire Attack From Both Sides

_____ minute(1) fire resistance, integrity and _____ minute(2) insulation in accordance with the criteria of AS 1530: Part 4: 2005.

Type of Construction

The access hatch is installed only as a non loadbearing building element. Loading is strictly prohibited.

Type of Fixing

This access hatch is to be supplied hinged and installed with locks.

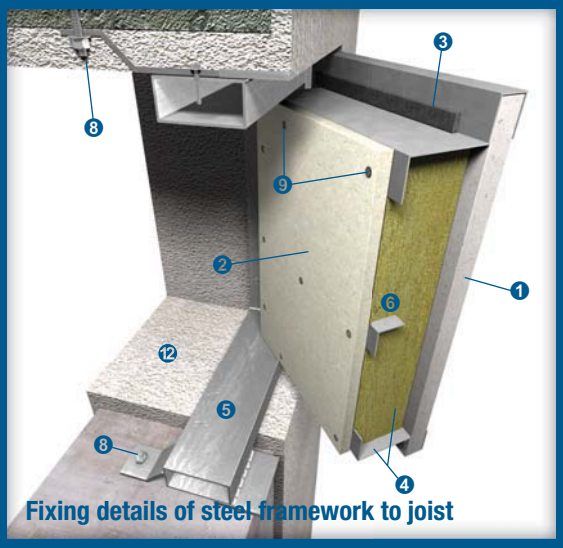
Supporting Structure

Care should be taken to ensure that any structural element to which access hatch is attached has a fire resistance equal to or greater than _____ minutes(1) and is capable of supporting the installed system for the required period.

Available Sizes

May be supplied in modules of maximum 700mm x 700mm.

NOTE:
- (1) insert required fire resistance level not exceeding 120 minutes.
- (2) insert required insulation level not exceeding 60 minutes.



Fixing details of steel framework to joist

Fixing of steel spring pivot

Up to -/60/60 fire resistance in accordance with the requirements of BS 476: Parts 20 to 22: 1987

1. PROMATECT®-H board 15mm thick, maximum size 2050mm x 850mm
2. PROMINA® 60 board 9mm thick
3. PROMASEAL® Intumescent Strip 10mm x 4mm thick
4. Mineral wool 50mm thick x 140kg/m³, covered with rectangular hollow section made of galvanised steel perimeter framework 50mm x 25mm x 1.6mm thick
5. Access hatch framework of galvanised steel channel 25mm x 50mm x 24mm x 18mm x 24mm x 1mm thick
6. Galvanised steel angle 25mm x 25mm x 0.5mm thick
7. Lock set, quantity and centres of the locks depend on overall hatch size
8. M8 x 30mm anchor bolts at nominal 600mm centres
9. No. 4 x 25mm self-tapping screws at nominal 200mm centres
10. Steel spring pivot ø 8mm fastened with two steel washers of 1.5mm thick each
11. General building services, e.g. electrical cables, metal pipes etc
12. Fire resistant concrete/masonry wall or steel/timber framed lightweigt partition

The following is standard Architectural Specification for access hatch using PROMATECT®-H and PROMINA® 60. The designer must determine the suitability of the design for the proposed application and regulatory requirements before undertaking or constructing any works relating to the specifications and where in doubt should obtain the advice of a suitably qualified engineer. All installations must be certified as appropriate.

Vertical Area of Application

Vertically oriented building elements such as concrete, masonry or brick walls, and lightweight partitions.

Fire Attack From Both Sides

_____ minute(1) fire resistance, integrity and _____ minute(1) insulation in accordance with the criteria of BS 476: Parts 20 to 22: 1987.

Type of Construction

The access hatch is installed only as non loadbearing building element. Loading is strictly prohibited.

Type of Fixing

The recommended method to install the access hatch is by means of steel spring pivot located at the head and base of the hatch.

Supporting Structure

Care should be taken to ensure that any structural element to which access hatch is attached has a fire resistance equal to or greater than _____ minutes(1) and is capable of supporting the installed system for the required period.

Available Sizes

May be supplied in modules of maximum 2050mm x 850mm.

NOTE:
- (1) insert required fire resistance/insulation level not exceeding 60 minutes.

Up to -/30/30, -/60/60, -/90/90 or -/120/120 fire resistance in accordance with the requirements of AS 1530: Part 4: 2005

❶ One or two layers of PROMATECT®-H and/or PROMATECT®-L boards, maximum size 700mm x 700mm

Up to -/30/30	One layer of PROMATECT®-H 25mm thick or PROMATECT®-L 20mm thick + One layer of PROMATECT®-H 6mm thick
Up to -/60/60	One layer of PROMATECT®-L 30mm or 40mm thick + One layer of PROMATECT®-H 6mm thick
Up to -/90/90	One layer of PROMATECT®-L 45mm thick or two layers of laminated PROMATECT®-H, e.g. 20mm + 25mm thick
Up to -/120/120	Two laminated layers of PROMATECT®-H, e.g. 25mm thick each

❷ PROMATECT®-H board 50mm thick, fixed to concrete/masonry wall using anchor bolts or 75mm x self-tapping Teks screws steel/timber framed lightweigt partition at nominal 200mm centres

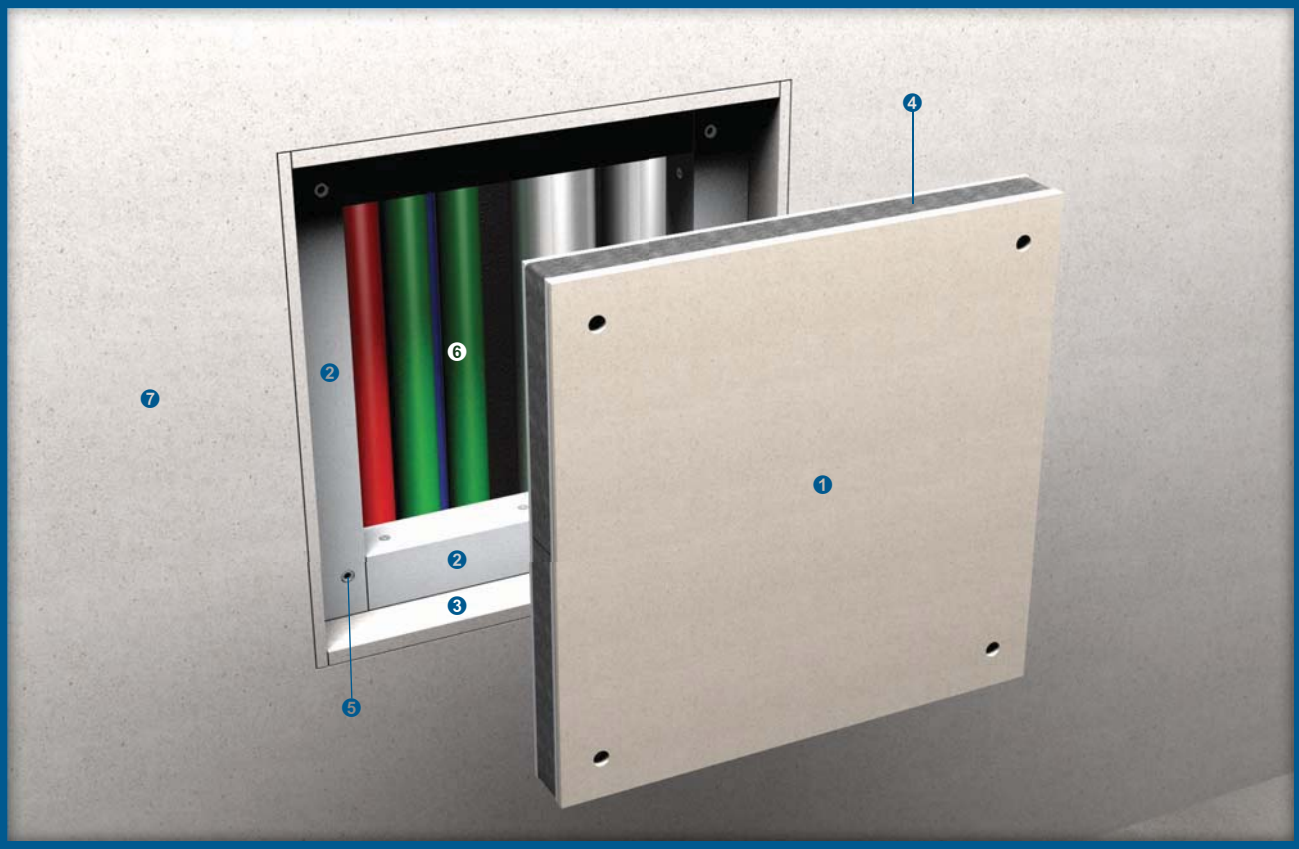
❸ PROMATECT®-H board 9mm thick

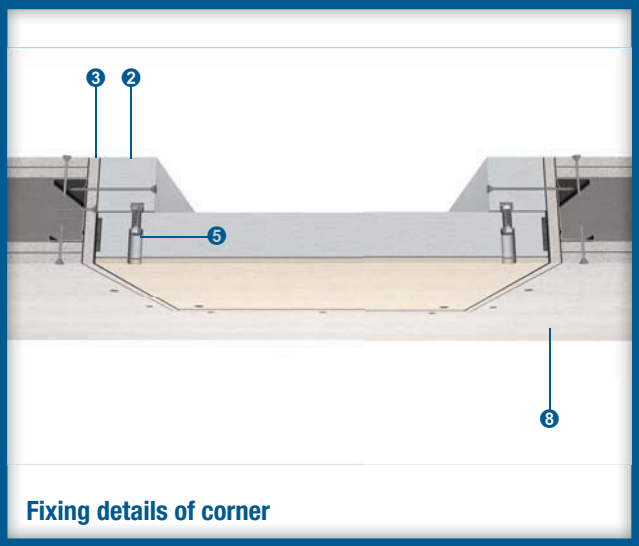
❹ PROMASEAL® Intumescent Strip, width and thickness at perimeter in accordance with the required fire resistance

❺ Hinges

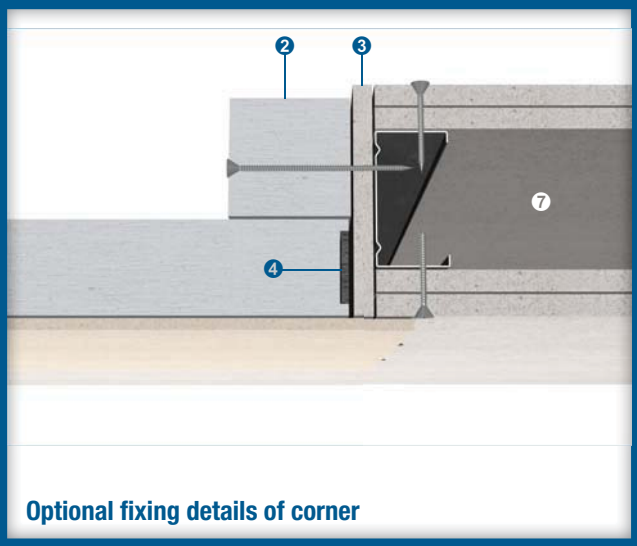
❻ General building services, e.g. electrical cables, metal pipes etc

❼ Fire resistant concrete/masonry wall or steel/timber framed lightweigt partition





Fixing details of corner



Optional fixing details of corner

Up to -/30/30, -/60/60, -/90/90 or -/120/120 fire resistance in accordance with the requirements of AS 1530: Part 4: 2005

1. One or two layers of PROMATECT®-H and/or PROMATECT®-L boards, maximum size 700mm x 700mm
   - Up to -/30/30 — One layer of PROMATECT®-H 25mm thick or PROMATECT®-L 20mm thick + One layer of PROMATECT®-H 6mm thick
   - Up to -/60/60 — One layer of PROMATECT®-L 30mm or 40mm thick + One layer of PROMATECT®-H 6mm thick
   - Up to -/90/90 — One layer of PROMATECT®-L 45mm thick or two layers of laminated PROMATECT®-H, e.g. 20mm + 25mm thick
   - Up to -/120/120 — Two laminated layers of PROMATECT®-H, e.g. 25mm thick each
2. PROMATECT®-H board 50mm thick, fixed to concrete/masonry wall using anchor bolts or 75mm x self-tapping Teks screws steel/timber framed lightweigt partition at nominal 200mm centres
3. PROMATECT®-H board 12mm thick
4. PROMASEAL® Intumescent Strip, width and thickness at perimeter in accordance with the required fire resistance
5. Quick release fixing system (please consult Promat)
6. General building services, e.g. electrical cables, metal pipes etc
7. Fire resistant concrete/masonry wall or steel/timber framed lightweigt partition
8. Fire resistant concrete/masonry floor or steel/timber framed lightweigt ceiling

The following are standard Architectural Specifications for access panels and access hatches using PROMATECT®-H and PROMATECT®-L. The designer must determine the suitability of the design for the proposed application and regulatory requirements before undertaking or constructing any works relating to the specifications and where in doubt should obtain the advice of a suitably qualified engineer. All installations must be certified as appropriate.

Horizontal Area of Application

Horizontally oriented building elements such as concrete or masonry floors, and self-supporting or suspended membrane ceilings.

Fire Attack From Both Sides

_____ minute(1) fire resistance, integrity and _____ minute(1) insulation in accordance with the criteria of AS 1530: Part 4: 2005.

Type of Construction

The access panel or access hatch(2) is installed only as non loadbearing building element. Loading is strictly prohibited.

Type of Fixing

There are two common methods to install the access panel or access hatch(2), i.e. screw fixed and hinge fixed, depending on site condition and preference of end user.

Supporting Structure

Care should be taken to ensure that any structural element to which access panel or access hatch(2) is attached has a fire resistance equal to or greater than _____ minutes(1) and is capable of supporting the installed system for the required period.

Available Sizes

May be supplied in modules of maximum 700mm x 700mm.

Vertical Area of Application

Vertically oriented building elements such as concrete, masonry or brick walls, and lightweight partitions.

Fire Attack From Both Sides

_____ minute(1) fire resistance, integrity and _____ minute(1) insulation in accordance with the criteria of AS 1530: Part 4: 2005.

Type of Construction

The access panel or access hatch(2) is installed only as non loadbearing building element. Loading is strictly prohibited.

Type of Fixing

There are two common methods to install the access panel or access hatch(2), i.e. screw fixed and hinge fixed, depending on site condition and preference of end user.

Supporting Structure

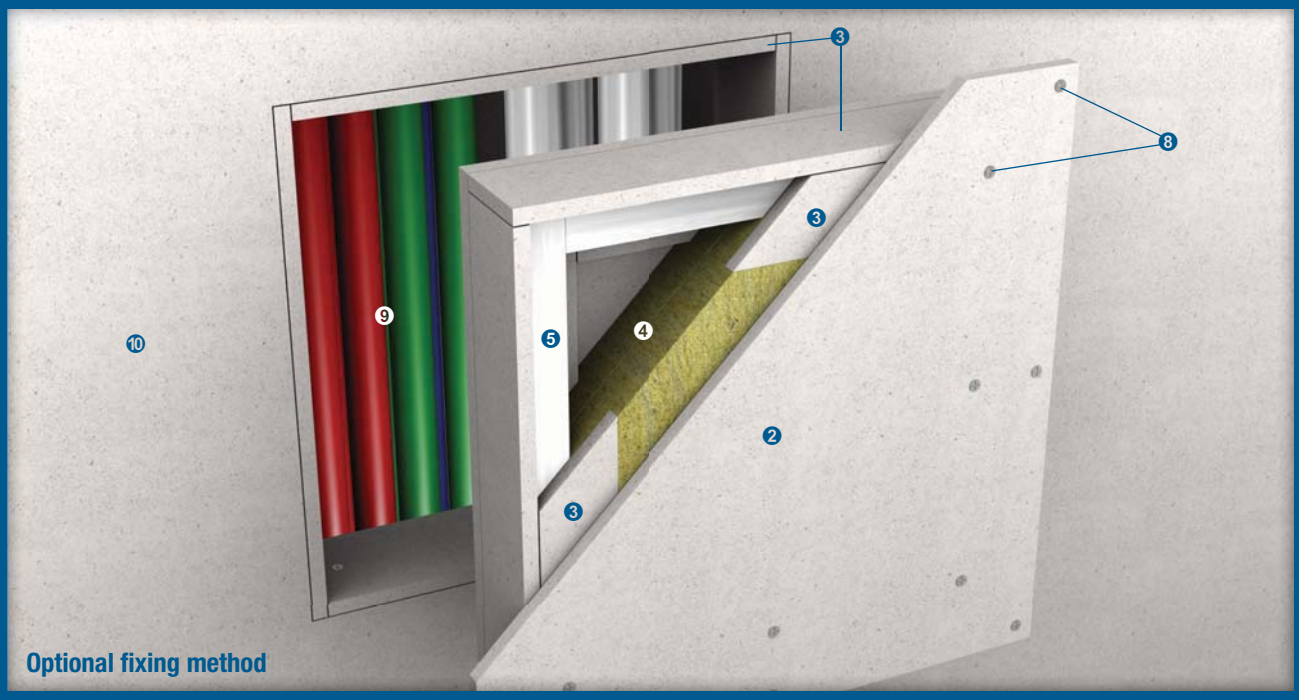
Care should be taken to ensure that any structural element to which access panel or access hatch(2) is attached has a fire resistance equal to or greater than _____ minutes(1) and is capable of supporting the installed system for the required period.

Available Sizes

May be supplied in modules of maximum 700mm x 700mm.

NOTE:

- (1) insert required fire resistance/insulation level not exceeding 120 minutes.
- (2) delete as appropriate.



Optional fixing method

Up to -/120/120 fire resistance in accordance with the requirements of BS 476: Parts 20 to 22: 1987 and AS 1530: Part 4: 2005

1. Three layers of PROMATECT®-H board 15mm + 15mm + 20mm thick, maximum size 1200mm x 600mm
2. PROMATECT®-H board 12mm thick
3. PROMATECT®-H cover strip 60mm x 12mm thick
4. Two layers of mineral wool, 30mm thick x 100kg/m³ each
5. Galvanised steel channel 50mm x 30mm x 0.6mm thick
6. Galvanised steel angle 30mm x 30mm x 1.5mm thick fixed with M4 self-tapping screws at nominal 300mm centres
7. M5 anchor bolts at nominal 300mm centres
8. M5 self-tapping screws at nominal 300mm centres
9. General building services, e.g. electrical cables, metal pipes etc
10. Fire resistant steel/timber framed lightweigt partition

The following are standard Architectural Specifications for access panel using PROMATECT®-H. The designer must determine the suitability of the design for the proposed application and regulatory requirements before undertaking or constructing any works relating to the specifications and where in doubt should obtain the advice of a suitably qualified engineer. All installations must be certified as appropriate.

Horizontal Area of Application

Horizontally oriented building elements such as self-supporting or suspended membrane ceilings.

Fire Attack From Both Sides

_____ minute[1] fire resistance, integrity and _____ minute[1] insulation in accordance with the criteria of BS 476: Parts 20 to 22: 1987 and AS 1530: Part 4: 2005.

Type of Construction

The access panel is installed only as non loadbearing building element. Loading is strictly prohibited.

Type of Fixing

The recommended method to install the access panel is by screw fixed.

Supporting Structure

Care should be taken to ensure that any structural element to which access panel is attached has a fire resistance equal to or greater than _____ minutes[1] and is capable of supporting the installed system for the required period.

Available Sizes

May be supplied in modules of maximum 1200mm x 600mm.

Vertical Area of Application

Vertically oriented building elements such as lightweight partitions.

Fire Attack From Both Sides

_____ minute[1] fire resistance, integrity and _____ minute[1] insulation in accordance with the criteria of BS 476: Parts 20 to 22: 1987 and AS 1530: Part 4: 2005.

Type of Construction

The access panel is installed only as non loadbearing building element. Loading is strictly prohibited.

Type of Fixing

The recommended method to install the access panel is by screw fixed.

Supporting Structure

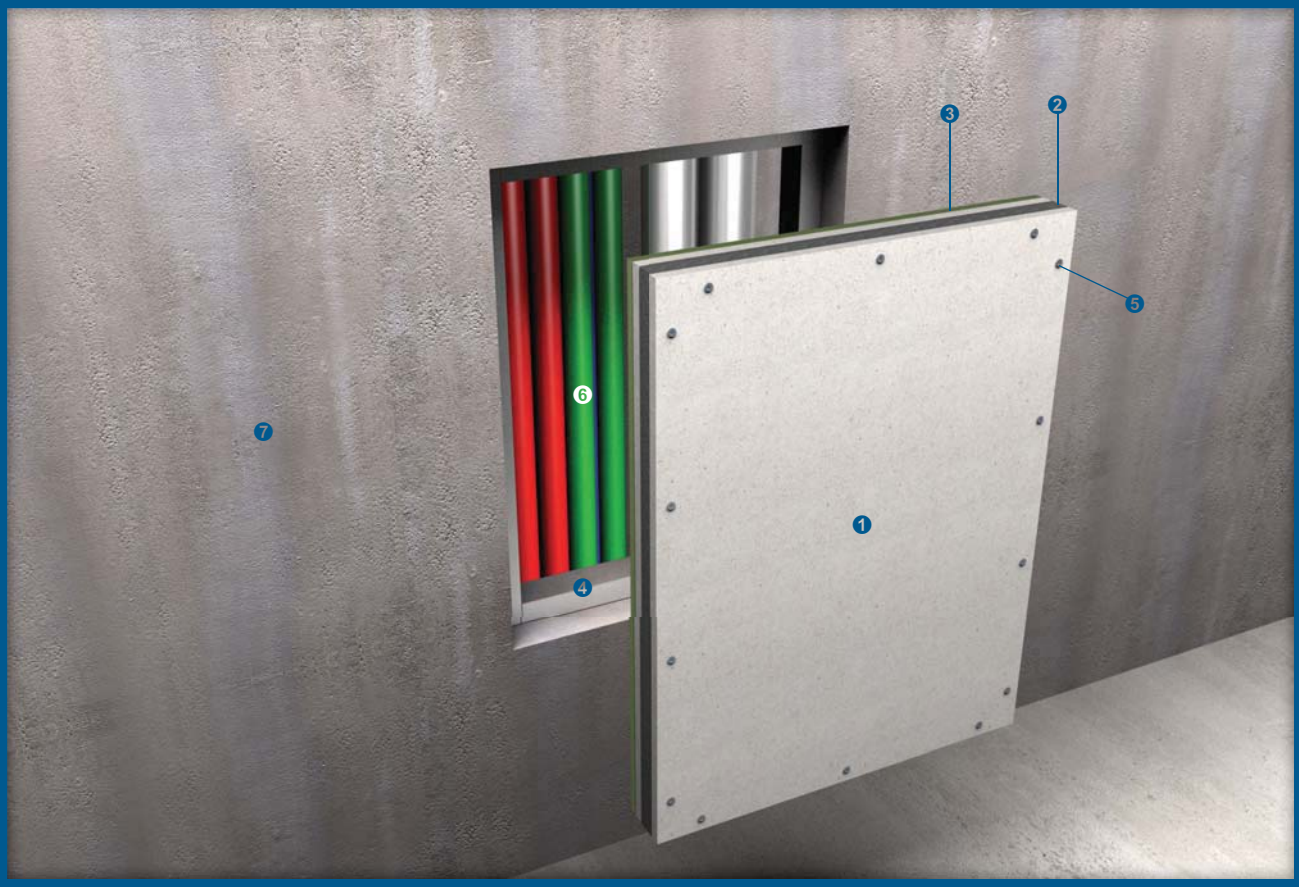
Care should be taken to ensure that any structural element to which access panel is attached has a fire resistance equal to or greater than _____ minutes[1] and is capable of supporting the installed system for the required period.

Available Sizes

May be supplied in modules of maximum 1200mm x 600mm.

NOTE:

- [1] insert required fire resistance/insulation level not exceeding 120 minutes.
- [2] delete as appropriate.



Up to -/120/30 or -/120/120 fire resistance in accordance with the requirements of AS 1530: Part 4: 2005

❶ One or two layers of PROMATECT®-H board, maximum size 1500mm x 1000mm

Up to -/120/30	One layer of 25mm thick
Up to -/120/120	Two layers of 25mm thick each

❷ PROMASEAL® Intumescent Strip at perimeter

Up to -/120/30	One layer of 15mm wide
Up to -/120/120	One layer of 25mm wide

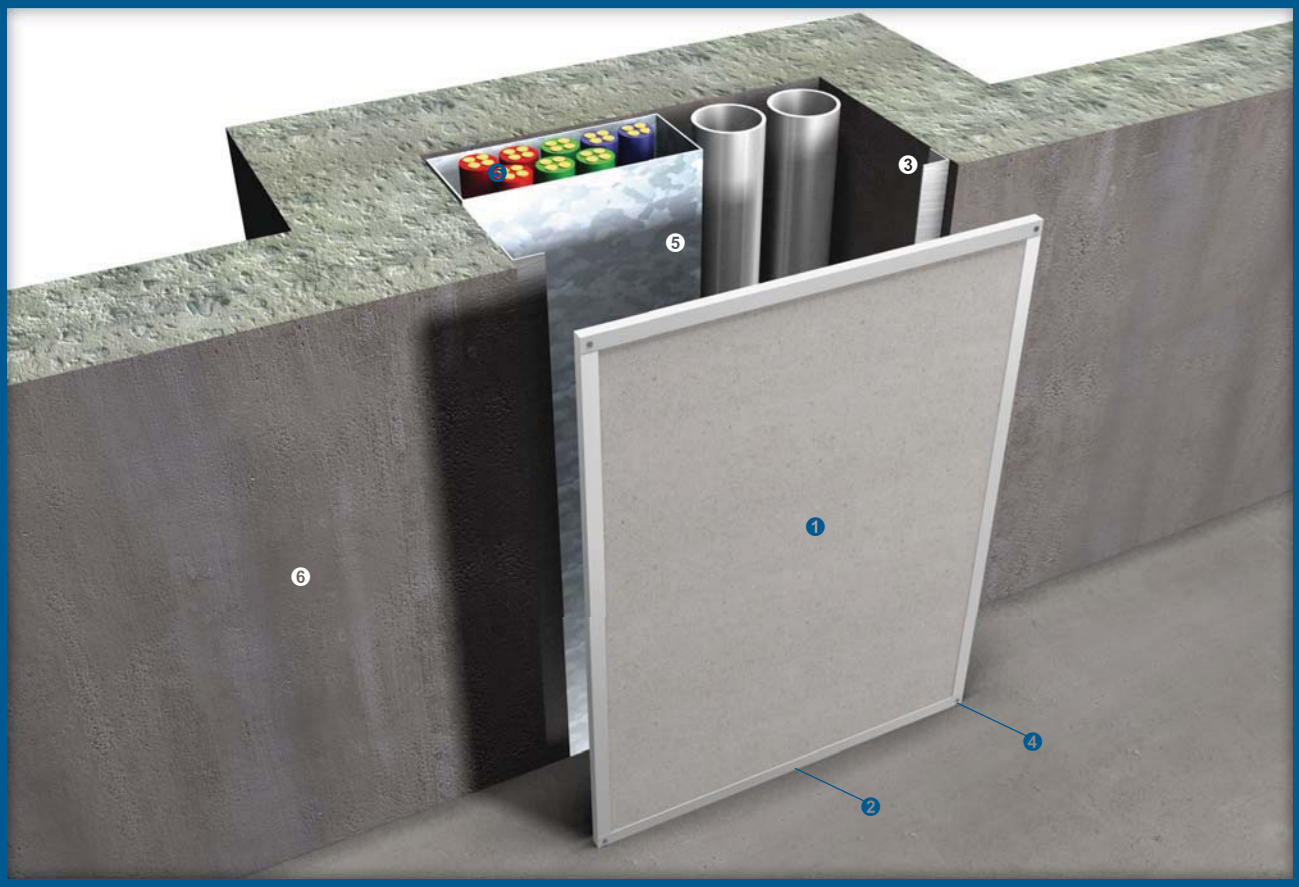
❸ PROMASEAL® IBS™ 30mm x 10mm thick fitted between ❶ and ❹

❹ Galvanised steel angle 30mm x 30mm x 1.5mm thick

❺ M4 self-tapping screws at 250mm centres, minimum 20mm longer than thickness of ❶

❻ General building services, e.g. electrical cables, metal pipes etc

❼ Fire resistant concrete/masonry wall



Up to -/120/- fire resistance in accordance with the requirements of BS 476: Parts 20 to 22: 1987 and/or AS 1530: Part 4: 2005

1. PROMATECT®-H board 9mm thick, maximum size 2440mm x 1220mm
2. Optional edge protection, e.g. galvanised steel channel 0.6mm thick, when 1 is removed for maintenance purposes
3. Galvanised steel angle minimum 30mm x 30mm x 0.8mm thick
4. 35mm self-tapping screws at nominal 200mm centres
5. General building services, e.g. electrical cable trays, metal pipes etc
6. Fire resistant concrete/masonry wall

The following are standard Architectural Specifications for access panel using PROMATECT®-H. The designer must determine the suitability of the design for the proposed application and regulatory requirements before undertaking or constructing any works relating to the specifications and where in doubt should obtain the advice of a suitably qualified engineer. All installations must be certified as appropriate.

Horizontal Area of Application

Horizontally oriented building elements such as concrete or masonry floors.

Fire Attack From Both Sides

_____ minute(1) fire resistance, integrity and _____ minute(1) insulation in accordance with the criteria of BS 476: Parts 20 to 22: 1987 and/or AS 1530: Part 4: 2005(2).

Type of Construction

The access panel is installed only as non loadbearing building element. Loading is strictly prohibited.

Type of Fixing

The recommended method to install the access panel is by screw fixed.

Supporting Structure

Care should be taken to ensure that any structural element to which access panel is attached has a fire resistance equal to or greater than _____ minutes(1) and is capable of supporting the installed system for the required period.

Available Sizes

May be supplied in modules of maximum 1200mm x 600mm.

Vertical Area of Application

Vertically oriented building elements such as concrete or masonry walls.

Fire Attack From Both Sides

_____ minute(1) fire resistance, integrity and _____ minute(1) insulation in accordance with the criteria of BS 476: Parts 20 to 22: 1987 and/or AS 1530: Part 4: 2005(2).

Type of Construction

The access panel is installed only as non loadbearing building element. Loading is strictly prohibited.

Type of Fixing

The recommended method to install the access panel is by screw fixed.

Supporting Structure

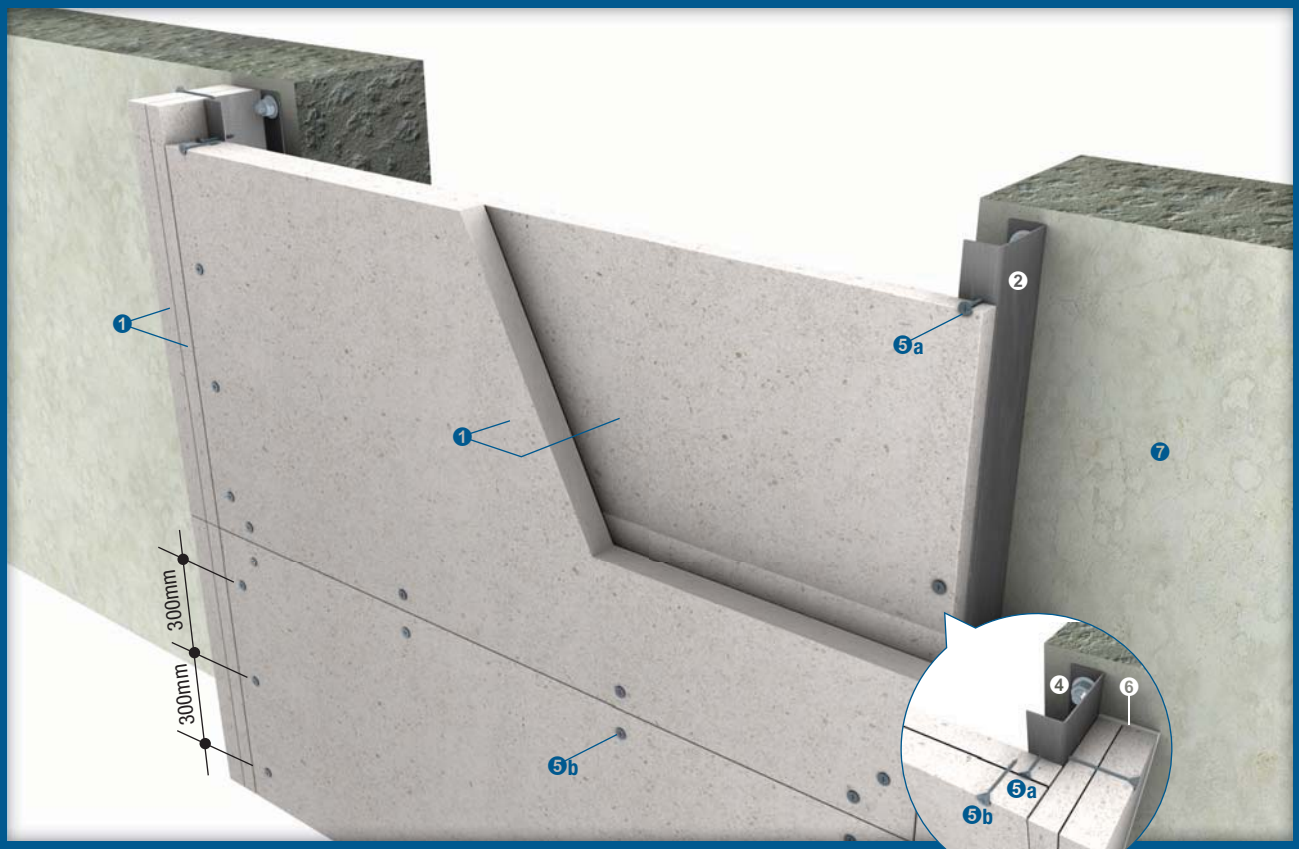
Care should be taken to ensure that any structural element to which access panel is attached has a fire resistance equal to or greater than _____ minutes(1) and is capable of supporting the installed system for the required period.

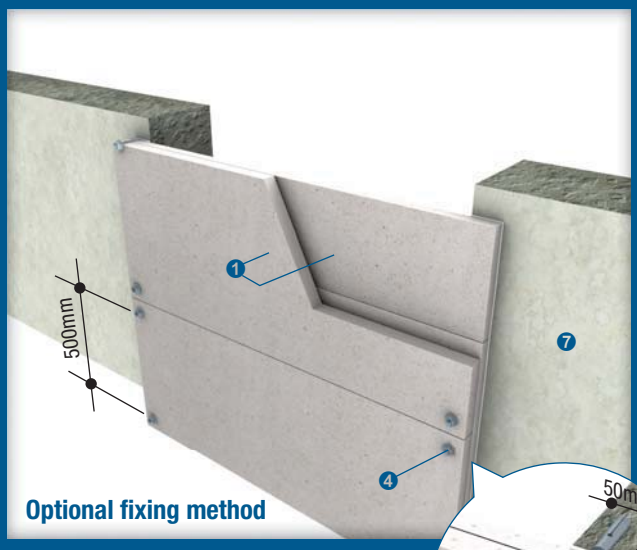
Available Sizes

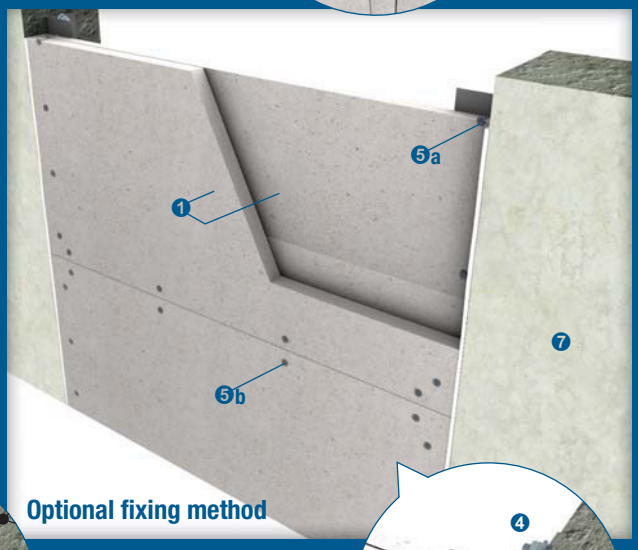
May be supplied in modules of maximum 1500mm x 1000mm or 2440mm x 1220mm(2).

NOTE:

- (1) insert required fire resistance/insulation level not exceeding 120 minutes.
- (2) delete as appropriate.







Up to -/60/60 or -/120/120 fire resistance in accordance with the requirements of BS 476: Parts 20 to 22: 1987

❶ Two layers of PROMATECT®-H board, maximum size 2300mm x 1100mm

Up to -/60/60	20mm + 15mm thick
Up to -/120/120	25mm thick each

❷ Galvanised steel channel 50mm x 20mm x 1mm thick at perimeter

❸ Galvanised steel angle 50mm x 50mm x 1mm thick at perimeter

❹ M6 anchor bolts at nominal 300mm centres

❺a M4 x 32mm self-tapping screws at 300mm centres

❺b M4 x 60mm self-tapping screws at nominal 300mm centres

❻ All gaps caulked with PROMASEAL®-A Acrylic Sealant to achieve the required fire resistance performance

❼ Fire resistant concrete/masonry wall

The following is standard Architectural Specification for fixed panel using PROMATECT®-H. The designer must determine the suitability of the design for the proposed application and regulatory requirements before undertaking or constructing any works relating to the specifications and where in doubt should obtain the advice of a suitably qualified engineer. All installations must be certified as appropriate.

Vertical Area of Application

Vertically oriented building elements such as concrete, masonry or brick walls.

Fire Attack From Both Sides

_____ minute(1) fire resistance, integrity and _____ minute(1) insulation in accordance with the criteria of BS 476: Parts 20 to 22: 1987.

Type of Construction

The access panel is installed only as non loadbearing building element. Loading is strictly prohibited.

Type of Fixing

The recommended method to install the access panel is by screw fixed.

Supporting Structure

Care should be taken to ensure that any structural element to which access panel is attached has a fire resistance equal to or greater than _____ minutes(1) and is capable of supporting the installed system for the required period.

Available Sizes

May be supplied in modules of maximum 2300mm x 1100mm.

NOTE:
- (1) insert required fire resistance level not exceeding 120 minutes.

Horizontal view of construction details

Up to -/120/- fire resistance in accordance with the requirements of BS 476: Parts 20 to 22: 1987

1. PROMATECT®-H board 9mm thick, maximum size 2400mm x 610mm
2. Galvanised steel channel 25mm x 10mm x 0.6mm thick
3. Galvanised steel angle 38mm x 38mm x 0.8mm thick
4. Galvanised steel Z-section 38mm x 50mm x 38mm x 1.5mm thick
5. 25mm self-tapping screws at nominal 200mm centres
6. Two hinges at each leaf, size 100mm x 100mm for leaf height ≤ 1200mm
7. Galvanised steel angle 50mm x 50mm x 3mm thick fixed with M6 x 30mm anchor bolts at nominal 300mm centres
8. General building services, e.g. electrical cable trays, metal pipes etc
9. Fire resistant concrete/masonry floor or wall

The following are standard Architectural Specifications for access hatch using PROMATECT®-H. The designer must determine the suitability of the design for the proposed application and regulatory requirements before undertaking or constructing any works relating to the specifications and where in doubt should obtain the advice of a suitably qualified engineer. All installations must be certified as appropriate.

Horizontal Area of Application

Horizontally oriented building elements such as concrete or masonry floors.

Fire Attack From Both Sides

_____ minute(1) fire resistance, integrity only in accordance with the criteria of BS 476: Parts 20 to 22: 1987.

Type of Construction

The access hatch is installed only as non loadbearing building element. Loading is strictly prohibited.

Type of Fixing

The recommended method to install the access hatch is by hinge fixed.

Supporting Structure

Care should be taken to ensure that any structural element to which access hatch is attached has a fire resistance equal to or greater than _____ minutes(1) and is capable of supporting the installed system for the required period.

Available Sizes

May be supplied in modules of maximum 1200mm x 600mm.

Vertical Area of Application

Vertically oriented building elements such as concrete or masonry walls.

Fire Attack From Both Sides

_____ minute(1) fire resistance, integrity only in accordance with the criteria of BS 476: Parts 20 to 22: 1987.

Type of Construction

The access hatch is installed only as non loadbearing building element. Loading is strictly prohibited.

Type of Fixing

The recommended method to install the access hatch is by hinge fixed.

Supporting Structure

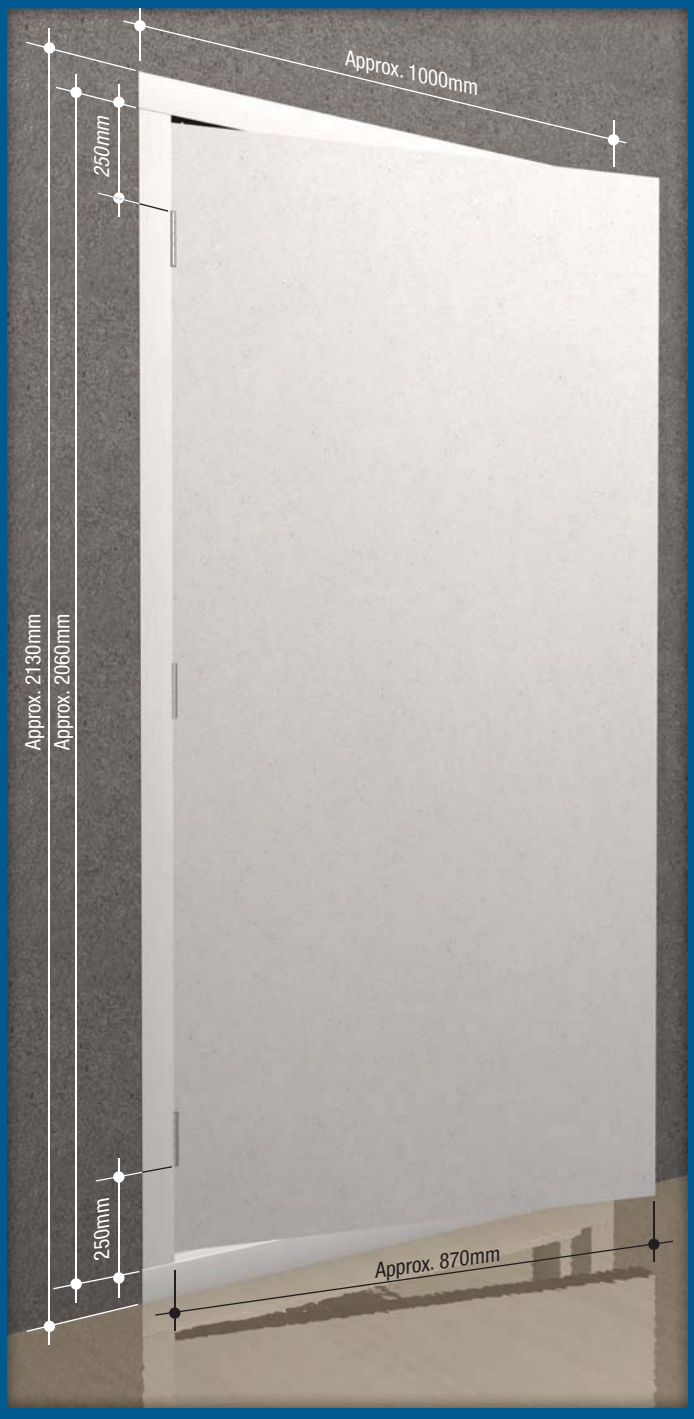
Care should be taken to ensure that any structural element to which access hatch is attached has a fire resistance equal to or greater than _____ minutes(1) and is capable of supporting the installed system for the required period.

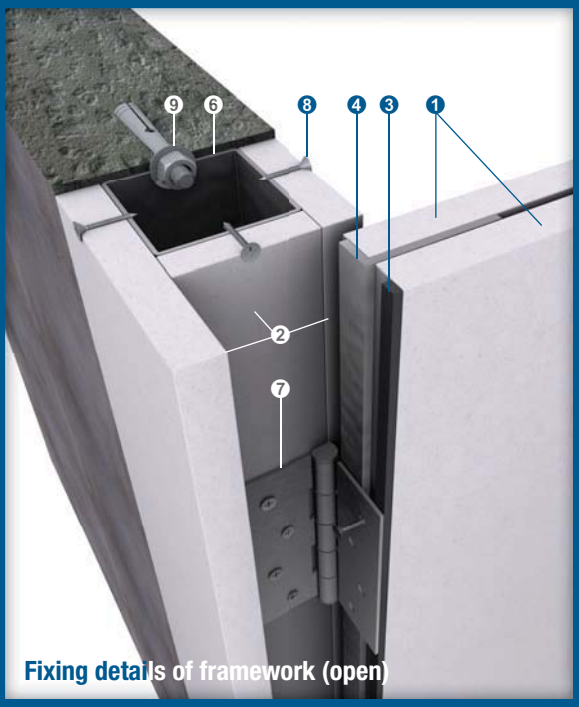
Available Sizes

May be supplied in modules of maximum 2400mm x 610mm.

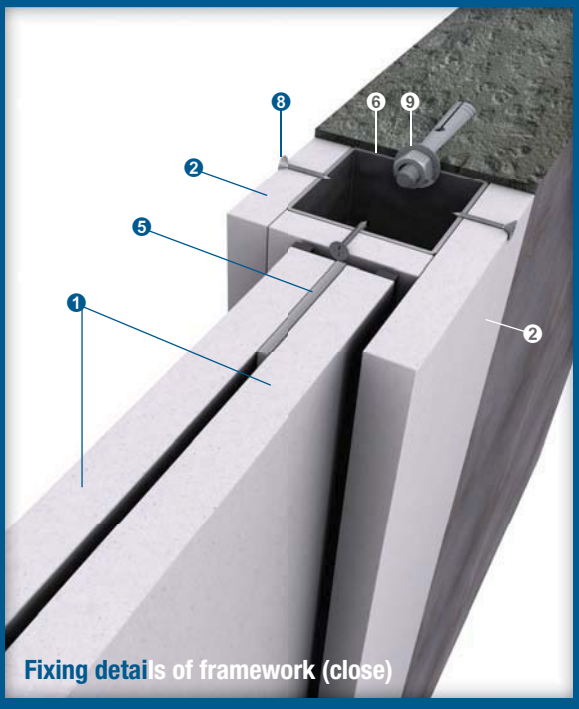
NOTE:

- (1) insert required fire resistance level not exceeding 120 minutes.





Fixing details of framework (open)



Fixing details of framework (close)

Up to -/60/60 fire resistance in accordance with the requirements of BS EN 1634: Part 1: 2008

1. Two layers of PROMATECT® 50 boards, 15mm thick each
2. PROMATECT® 50 board fillet
3. PROMASEAL® Intumescent Strip
4. Steel angle
5. Steel flat bar
6. Steel square hollow section
7. Steel hinge
8. M4 self-tapping screws at nominal 200mm centres
9. M8 steel anchor bolts

The following are standard Architectural Specifications for access hatch using PROMATECT® 50. The designer must determine the suitability of the design for the proposed application and regulatory requirements before undertaking or constructing any works relating to the specifications and where in doubt should obtain the advice of a suitably qualified engineer. All installations must be certified as appropriate.

Area of Application

Vertically oriented building elements such as masonry, concrete and brick wall or partition.

Fire Attack From Both Sides

Up to 60 minutes fire resistance, integrity and insulation in accordance with the criteria of BS EN 1634: Part 1: 2008.

Type of Construction

The access panel is installed only as non loadbearing building element. Loading is strictly prohibited.

Type of Fixing

The recommended method for installing access panel is by means of steel hinges at the top, middle and bottom of the access panel.

Supporting Structure

Care should be taken to ensure that any structural element to which the access panel is fixed upon has a fire resistance of minimum 60 minutes and is capable of supporting the installed system for the required fire resistance period.

Available Sizes

May be in various dimensions, maximum up to 2000mm x 800mm.

Up to -/180/180 fire resistance in accordance with the requirements of BS 476: Parts 20 to 22: 1987

1. Two layers of PROMATECT® 50 board 25mm thick each, maximum size 1220mm x 1500mm
2. PROMASEAL® Intumescent Strip 50mm x 1.5mm thick at perimeter
3. Galvanised steel angle 50mm x 50mm x 1.5mm thick
4. 70mm self-tapping screws at nominal 200mm centres
5. General building services, e.g. electrical cable trays, metal pipes etc
6. Fire resistant concrete/masonry wall

The following are standard Architectural Specifications for access panel using PROMATECT® 50. The designer must determine the suitability of the design for the proposed application and regulatory requirements before undertaking or constructing any works relating to the specifications and where in doubt should obtain the advice of a suitably qualified engineer. All installations must be certified as appropriate.

Horizontal Area of Application

Horizontally oriented building elements such as concrete or masonry floors.

Fire Attack From Both Sides

_____ minute(1) fire resistance, integrity and _____ minute(1) insulation in accordance with the criteria of BS 476: Parts 20 to 22: 1987.

Type of Construction

The access panel is installed only as non loadbearing building element. Loading is strictly prohibited.

Type of Fixing

The recommended method to install the access panel is by screw fixed.

Supporting Structure

Care should be taken to ensure that any structural element to which access panel is attached has a fire resistance equal to or greater than _____ minutes(1) and is capable of supporting the installed system for the required period.

Available Sizes

May be supplied in modules of maximum 1220mm x 1500mm.

Vertical Area of Application

Vertically oriented building elements such as concrete or masonry walls.

Fire Attack From Both Sides

_____ minute(1) fire resistance, integrity and _____ minute(1) insulation in accordance with the criteria of BS 476: Parts 20 to 22: 1987.

Type of Construction

The access panel is installed only as non loadbearing building element. Loading is strictly prohibited.

Type of Fixing

The recommended method to install the access panel is by screw fixed.

Supporting Structure

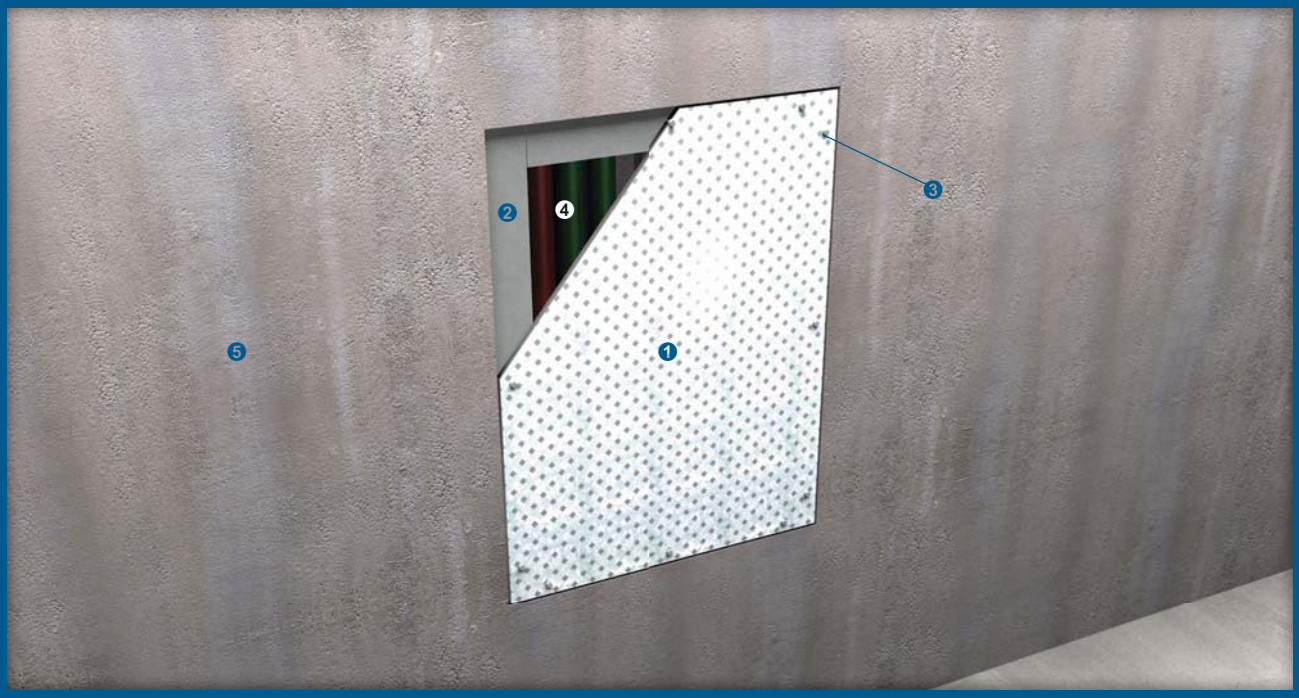
Care should be taken to ensure that any structural element to which access panel is attached has a fire resistance equal to or greater than _____ minutes(1) and is capable of supporting the installed system for the required period.

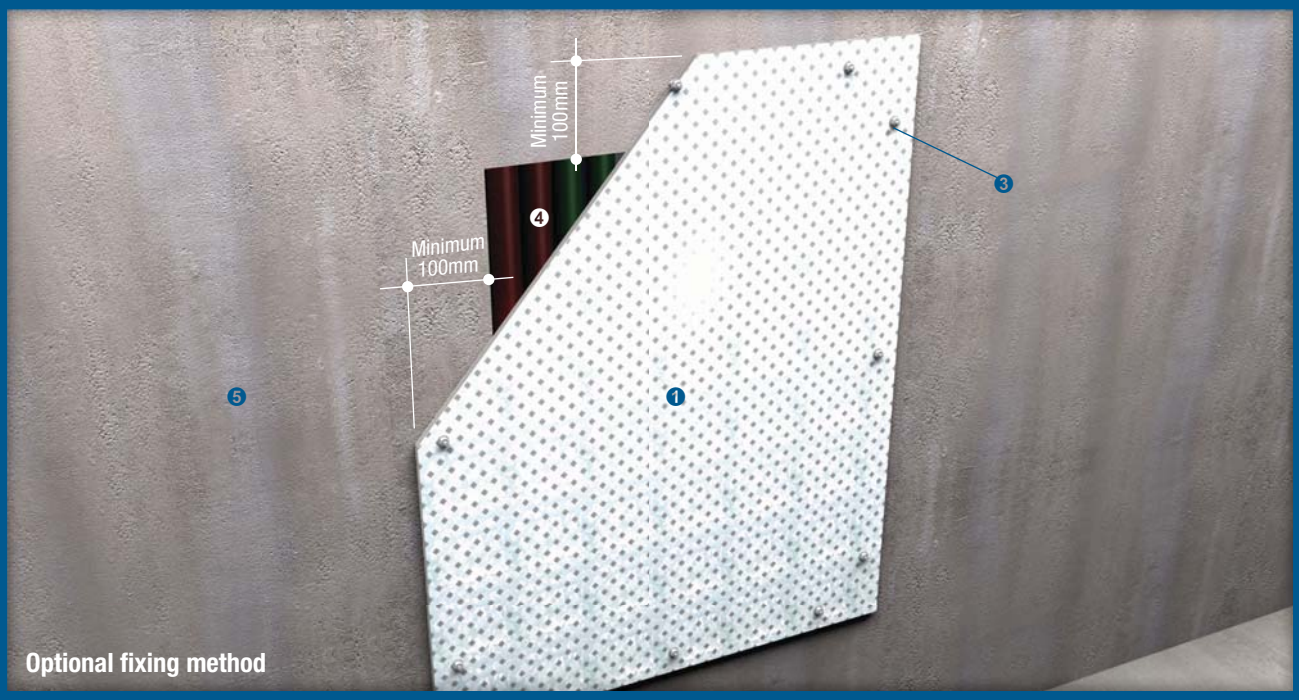
Available Sizes

May be supplied in modules of maximum 1220mm x 1500mm.

NOTE:

- (1) insert required fire resistance level not exceeding 180 minutes.

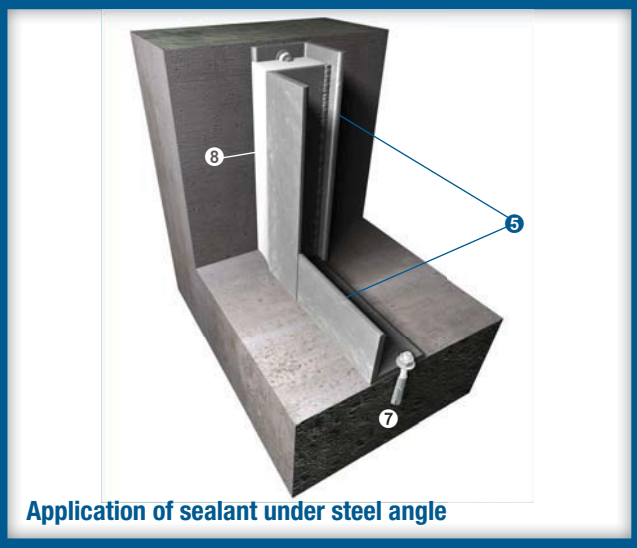




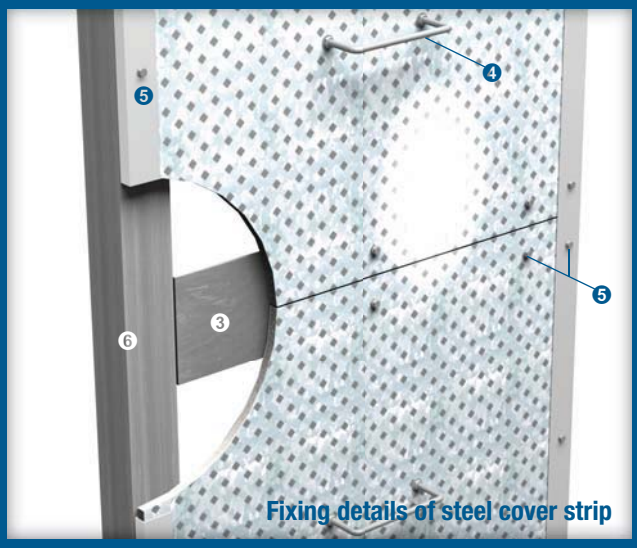
Optional fixing method

Up to -/120/- or -/240/- fire resistance in accordance with the requirements of BS 476: Parts 20 to 22: 1987

1. PROMATECT®-S board, maximum size 2500mm x 1200mm
   Up to -/120/- 6mm thick
   Up to -/240/- 9.5mm thick
2. Galvanised steel angle 50mm x 50mm x 3mm thick
3. M6 x 40mm anchor bolts at nominal 200mm centres
4. General building services, e.g. electrical cable trays, metal pipes etc
5. Fire resistant concrete/masonry wall



Application of sealant under steel angle



Fixing details of steel cover strip

Up to -/240/- fire resistance in accordance with the requirements of BS 476: Parts 20 to 22: 1987

1. PROMATECT®-S board 9.5mm thick, maximum size 2260mm x 600mm
2. Galvanised steel channel 30mm x 11.5mm x 1.2mm thick
3. Galvanised steel flat bar 100mm x 3mm thick
4. Galvanised steel lift handle
5. 35mm Teks screws at nominal 200mm centres at corners and board joints
6. Galvanised steel angle 50mm x 50mm x 5mm thick
7. M10 anchor bolts at nominal 500mm centres
8. All gaps caulked with PROMASEAL®-A Acrylic Sealant to achieve the required fire resistance performance
9. General building services, e.g. electrical cable trays, metal pipes etc
10. Fire resistant concrete/masonry wall

The following are standard Architectural Specifications for fixed/access panel using PROMATECT®-S. The designer must determine the suitability of the design for the proposed application and regulatory requirements before undertaking or constructing any works relating to the specifications and where in doubt should obtain the advice of a suitably qualified engineer. All installations must be certified as appropriate.

Horizontal Area of Application

Horizontally oriented building elements such as concrete or masonry floors.

Fire Attack From Both Sides

_____ minute(1) fire resistance, integrity only in accordance with the criteria of BS 476: Parts 20 to 22: 1987.

Type of Construction

The access panel is installed only as non loadbearing building element. Loading is strictly prohibited.

Type of Fixing

The recommended method to install the fixed panel or access panel(2) is by screw fixed.

Supporting Structure

Care should be taken to ensure that any structural element to which access panel is attached has a fire resistance equal to or greater than _____ minutes(1) and is capable of supporting the installed system for the required period.

Available Sizes

May be supplied in modules of maximum 2500mm x 1200mm or 2260mm x 600mm (with lift handle) (2).

Vertical Area of Application

Vertically oriented building elements such as concrete or masonry walls.

Fire Attack From Both Sides

_____ minute(1) fire resistance, integrity only in accordance with the criteria of BS 476: Parts 20 to 22: 1987.

Type of Construction

The access panel is installed only as non loadbearing building element. Loading is strictly prohibited.

Type of Fixing

The recommended method to install the fixed panel or access panel(2) is by screw fixed.

Supporting Structure

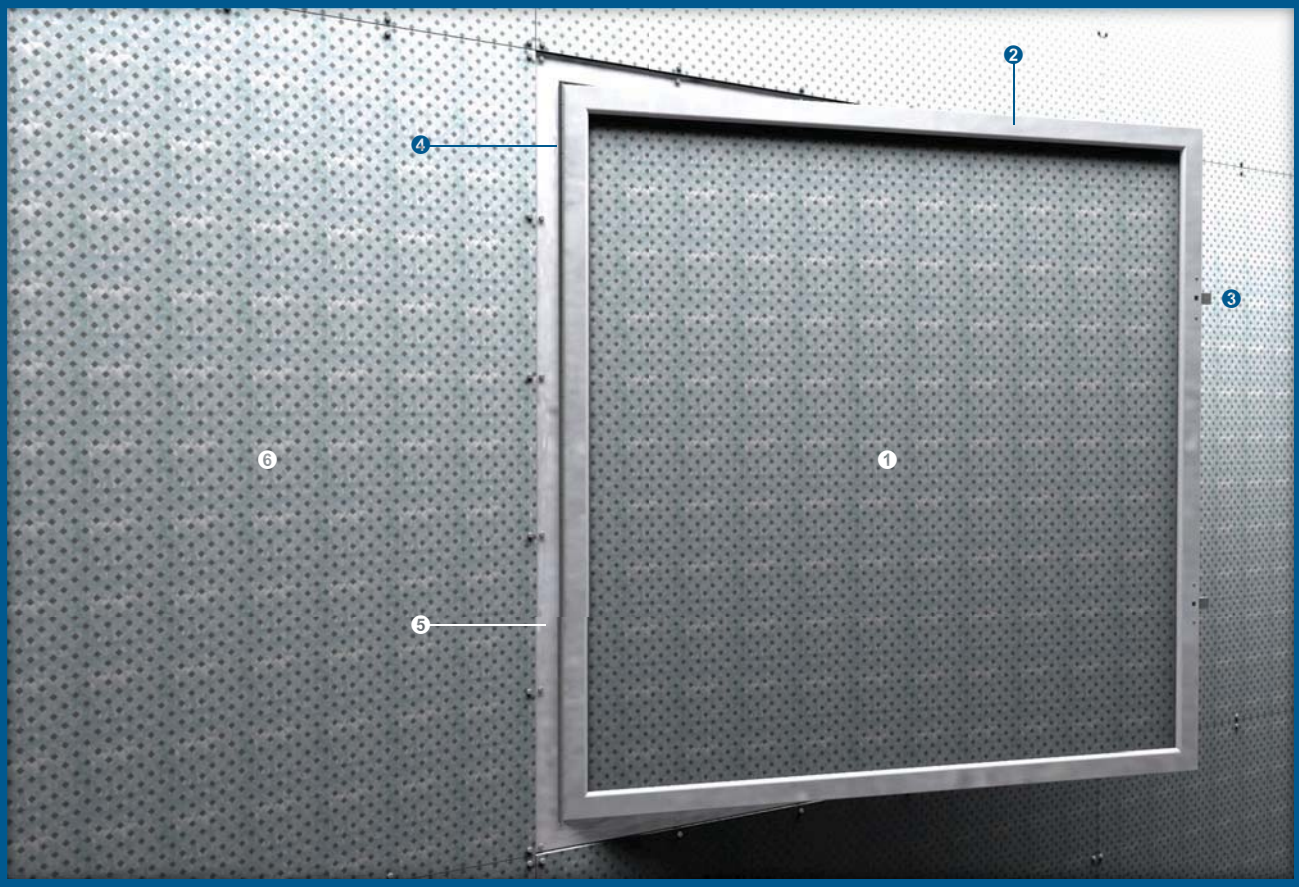
Care should be taken to ensure that any structural element to which access panel is attached has a fire resistance equal to or greater than _____ minutes(1) and is capable of supporting the installed system for the required period.

Available Sizes

May be supplied in modules of maximum 2500mm x 1200mm or 2260mm x 600mm (with lift handle) (2).

NOTE:

- (1) insert required fire resistance level not exceeding 240 minutes.
- (2) delete as appropriate.



Up to -/240/- fire resistance in accordance with the requirements of BS 476: Parts 20 to 22: 1987

1. PROMATECT®-S board 9.5mm thick, maximum size 1200mm x 1200mm
2. Galvanised steel channel 41mm x 36mm x 2mm thick
3. Catch and level handle
4. Continuous hinge
5. Galvanised steel Z-section minimum 40mm x 50mm x 40mm x 2mm thick
6. Fire resistant construction or concrete/masonry wall

Horizontal view of construction details

Up to -/120/- or -/240/- fire resistance in accordance with the requirements of BS 476: Parts 20 to 22: 1987

1. PROMATECT®-H board, maximum size 2500mm x 1200mm
   Up to -/120/- 6mm thick
   Up to -/240/- 9.5mm thick
2. Galvanised steel channel 25mm deep x 1mm thick
3. Galvanised steel angle 25mm x 25mm x 3mm thick
4. Galvanised steel Z-section 38mm x 50mm x 38mm x 3mm thick
5. 35mm x 5.5mm Teks screws at nominal 200mm centres
6. Three hinges at each leaf, size 100mm x 100mm x 3mm thick
7. Galvanised steel angle 50mm x 50mm x 5mm thick fixed with M8 anchor bolts at nominal 500mm centres
8. General building services, e.g. electrical cable trays, metal pipes etc
9. Fire resistant concrete/masonry floor or wall

The following are standard Architectural Specifications for access hatch using PROMATECT®-S. The designer must determine the suitability of the design for the proposed application and regulatory requirements before undertaking or constructing any works relating to the specifications and where in doubt should obtain the advice of a suitably qualified engineer. All installations must be certified as appropriate.

Horizontal Area of Application

Horizontally oriented building elements such as concrete or masonry floors.

Fire Attack From Both Sides

_____ minute(1) fire resistance, integrity only in accordance with the criteria of BS 476: Parts 20 to 22: 1987.

Type of Construction

The access hatch is installed only as non loadbearing building element. Loading is strictly prohibited.

Type of Fixing

The recommended method to install the access hatch is by hinge fixed. A proprietary lock must be installed.

Supporting Structure

Care should be taken to ensure that any structural element to which access hatch is attached has a fire resistance equal to or greater than _____ minutes(1) and is capable of supporting the installed system for the required period.

Available Sizes

May be supplied in modules of maximum 1200mm x 1200mm (for single leaf hatch) or 2200mm x 1200mm (for double leaf hatch) (2), depending on types of application.

Vertical Area of Application

Vertically oriented building elements such as concrete or masonry walls.

Fire Attack From Both Sides

_____ minute(1) fire resistance, integrity only in accordance with the criteria of BS 476: Parts 20 to 22: 1987.

Type of Construction

The access hatch is installed only as non loadbearing building element. Loading is strictly prohibited.

Type of Fixing

The recommended method to install the access hatch is by hinge fixed. A proprietary lock must be installed.

Supporting Structure

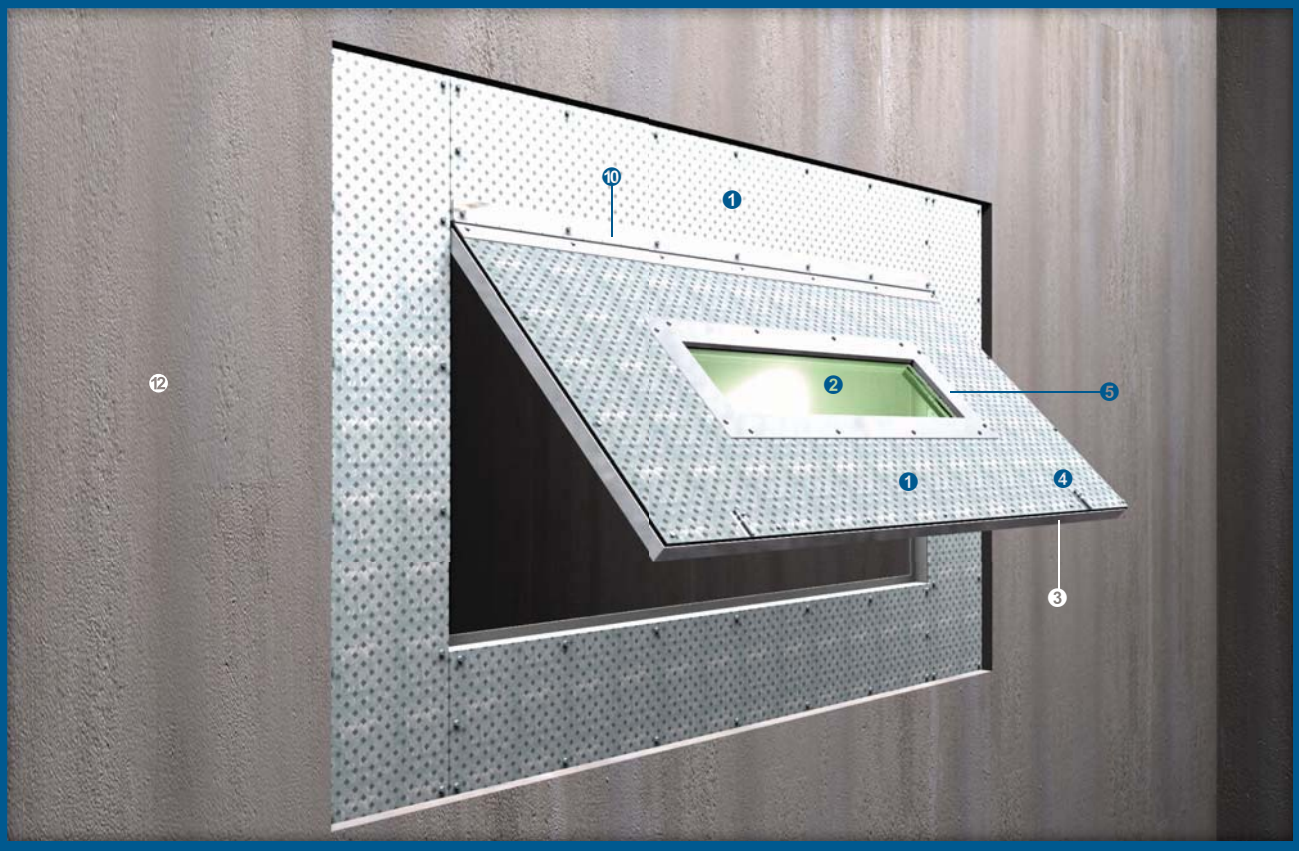
Care should be taken to ensure that any structural element to which access hatch is attached has a fire resistance equal to or greater than _____ minutes(1) and is capable of supporting the installed system for the required period.

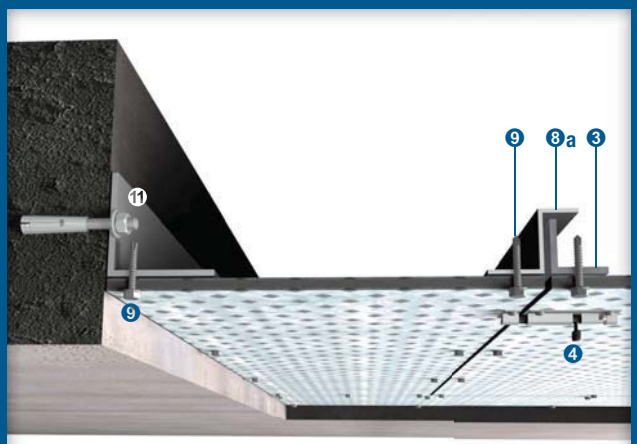
Available Sizes

May be supplied in modules of maximum 1200mm x 1200mm (for single leaf hatch) or 2200mm x 1200mm (for double leaf hatch) (2), depending on types of application.

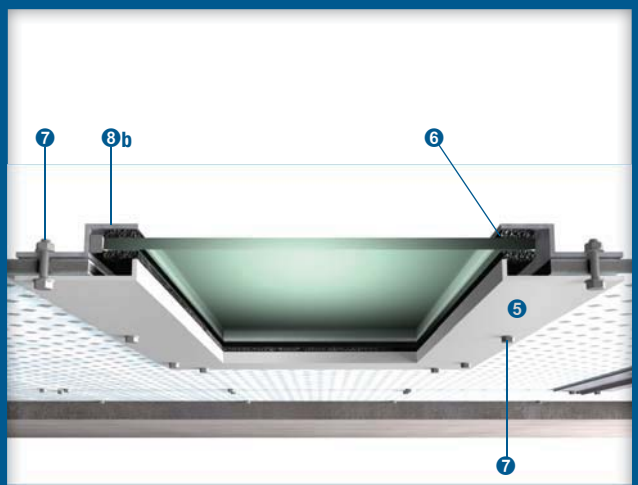
NOTE:

- (1) insert required fire resistance level not exceeding 240 minutes.
- (2) delete as appropriate.





Fixing details of corner



Fixing details of vision glass

Up to -/240/- fire resistance in accordance with the requirements of BS 476: Parts 20 to 22: 1987

1. PROMATECT®-S board 6mm thick, maximum size 1200mm x 600mm
2. PROMACLEAR® 120 glass 5mm thick
3. Galvanised steel angle 25mm x 25mm x 3mm thick
4. Lock set, quantity and centres of the locks depend on overall hatch size
5. Galvanised steel angle 8mm x 50mm x 2mm thick
6. Ceramic fibre self adhesive glazing tape
7. M6 nuts and bolts

8a Galvanised steel Z-section 50mm x 8mm x 50mm x 2mm thick

8b Galvanised steel Z-section 22mm x 14mm x 30mm x 2mm thick

9. 35mm x 5.5mm Teks screws at nominal 200mm centres
10. Continuous hinge
11. Galvanised steel angle 50mm x 50mm x 3mm thick fixed with M6 x 40mmn anchor bolts at nominal 600mm centres
12. Fire resistant concrete/masonry wall

The following are standard Architectural Specifications for access panel using PROMATECT®-S incorporating PROMACLEAR® 120. The designer must determine the suitability of the design for the proposed application and regulatory requirements before undertaking or constructing any works relating to the specifications and where in doubt should obtain the advice of a suitably qualified engineer. All installations must be certified as appropriate.

Horizontal Area of Application

Horizontally oriented building elements such as concrete or masonry floors.

Fire Attack From Both Sides

_____ minute(1) fire resistance, integrity only in accordance with the criteria of BS 476: Parts 20 to 22: 1987.

Type of Construction

The access panel is installed only as non loadbearing building element. Loading is strictly prohibited.

Type of Fixing

The recommended method to install the access panel is by screw fixed. PROMACLEAR® 120 is to be incorporated with the access panel in maximum 300mm x 300mm.

Supporting Structure

Care should be taken to ensure that any structural element to which access panel is attached has a fire resistance equal to or greater than _____ minutes(1) and is capable of supporting the installed system for the required period.

Available Sizes

May be supplied in modules of maximum 1200mm x 600mm.

Vertical Area of Application

Vertically oriented building elements such as concrete or masonry walls.

Fire Attack From Both Sides

_____ minute(1) fire resistance, integrity only in accordance with the criteria of BS 476: Parts 20 to 22: 1987.

Type of Construction

The access panel is installed only as non loadbearing building element. Loading is strictly prohibited.

Type of Fixing

The recommended method to install the access panel is by screw fixed. PROMACLEAR® 120 is incorporated with the access panel in maximum 300mm x 300mm.

Supporting Structure

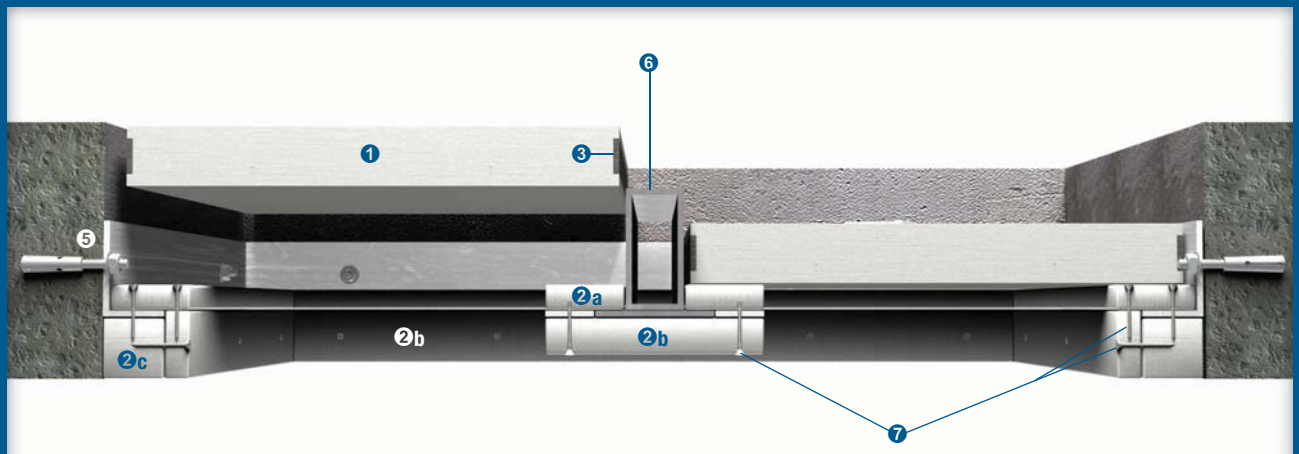
Care should be taken to ensure that any structural element to which access panel is attached has a fire resistance equal to or greater than _____ minutes(1) and is capable of supporting the installed system for the required period.

Available Sizes

May be supplied in modules of maximum 1200mm x 600mm.

NOTE:

- (1) insert required fire resistance level not exceeding 240 minutes.



Horizontal view of construction details

Up to 180/180/180 fire resistance in accordance with the requirements of AS 1530: Part 4: 2005

- ❶ PROMATECT®-L500 board 50mm thick, manufactured to order up to maximum size 1295mm x 725mm
- ❷a PROMATECT®-L500 board 20mm thick
- ❷b PROMATECT®-L500 board 30mm thick
- ❷c PROMATECT®-L500 board 50mm thick
- ❸ PROMASEAL® Intumescent Strip 30mm x 2mm thick at perimeter
- ❹ Lift handle
- ❺ Galvanised steel angle 30mm x 30mm x 1.5mm thick fixed with M8 x 40mm anchor bolts at nominal 300mm centres
- ❻ Galvanised steel rectangular hollow section 100mm x 50mm x 5mm thick, underside welded with steel plate 100mm x 5mm thick
- ❼ 45mm self-tapping screws at nominal 300mm centres
- ❽ General building services, e.g. electrical cable trays, metal pipes etc
- ❾ Fire resistant concrete/masonry floor

The following are standard Architectural Specifications for assembly of pit covers, i.e. removable covers to cable trenches, using PROMATECT®-L500. The designer must determine the suitability of the design for the proposed application and regulatory requirements before undertaking or constructing any works relating to the specifications and where in doubt should obtain the advice of a suitably qualified engineer. All installations must be certified as appropriate.

Horizontal Area of Application

Trenches in horizontally oriented building elements such as concrete or masonry floors.

Fire Attack From All Sides

_____ minute(1) fire resistance, integrity and _____ minute(1) insulation in accordance with the criteria of AS 1530: Part 4: 2005.

Type of Construction

The pit cover is installed mainly as non loadbearing building element. Where loading is required for light foot traffic, reinforcement steel plates of predetermined thickness may be bonded to the pit cover.

Type of Fixing

The recommended method to install the removable pit cover is by dropping into the pre installed supporting steel frame. No screws are required for the pit cover.

Supporting Structure

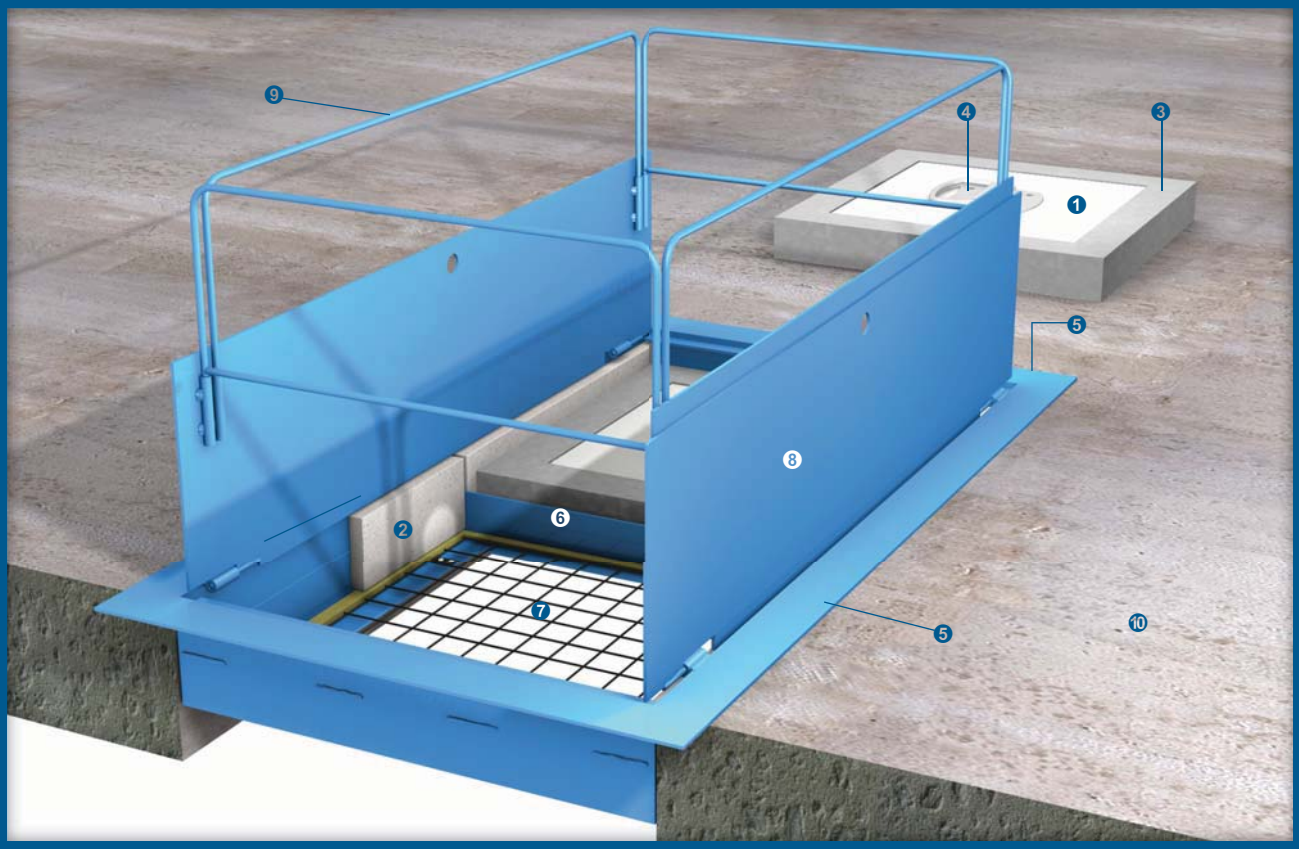
Care should be taken to ensure that any structural element to which pit cover is attached has a fire resistance equal to or greater than _____ minutes(1) and is capable of supporting the installed system for the required period.

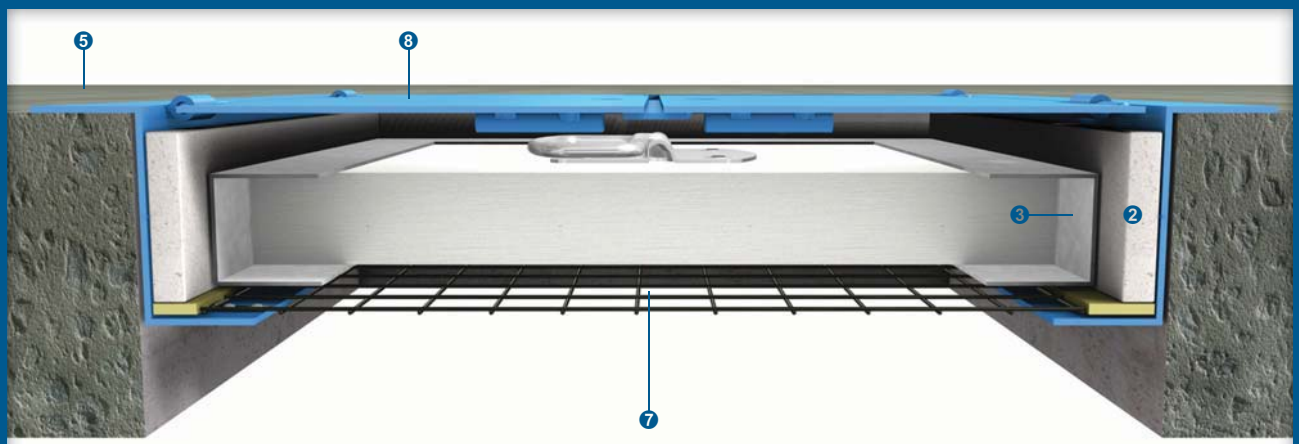
Available Sizes

May be manufactured to order and supplied in modules of up to 1295mm x 725mm. Size of aperture for installation is limited to maximum 3060mm x 2640mm.

NOTE:

- (1) insert required fire resistance/insulation level not exceeding 180 minutes.





Horizontal view of construction details

Up to 120/120/30 fire resistance in accordance with the requirements of AS 1530: Part 4: 2005

1. PROMATECT®-L500 board 50mm thick, maximum size 1200mm x 600mm
2. PROMATECT®-H board 15mm thick with mineral wool beneath
3. Galvanised steel channel 50mm x 35mm x 1.5mm thick
4. Lift handle
5. Galvanised steel Z-section 50mm x 100mm x 50mm
6. Galvanised steel T-section 50mm x 50mm x 3mm thick
7. Removable safety mesh
8. Load supporting galvanised steel plate 6mm thick
9. Removable safety hand rails
10. Fire resistant concrete/masonry floor

The following are standard Architectural Specifications for assembly of lift motor room hatches using PROMATECT®-H and PROMATECT®-L500. The designer must determine the suitability of the design for the proposed application and regulatory requirements before undertaking or constructing any works relating to the specifications and where in doubt should obtain the advice of a suitably qualified engineer. All installations must be certified as appropriate.

Horizontal Area of Application

Lift motor room in horizontally oriented building elements such as concrete or masonry floors.

Fire Attack From All Sides

_____ minute(1) fire resistance, integrity and _____ minute(2) insulation in accordance with the criteria of AS 1530: Part 4: 2005.

Type of Construction

The lift motor room hatch is limited to loadbearing up to maximum concentrated load of 1.8kN or uniformly distributed load of 4kPa, both with reinforcement steel plates in place.

Type of Fixing

The recommended method to install the lift motor room hatch is by dropping into the pre installed motor room steel plate. Removable hand rail guardings are incorporated for safety considerations.

Supporting Structure

Care should be taken to ensure that any structural element to which lift motor room hatch is attached has a fire resistance equal to or greater than _____ minutes(1) and is capable of supporting the installed system for the required period.

Available Sizes

May be supplied in modules of maximum 1200mm x 600mm. Size of aperture for installation is limited to maximum 2400mm x 1200mm.

NOTE:
- (1) insert required fire resistance level not exceeding 120 minutes.
- (2) insert required insulation level not exceeding 30 minutes.

Promat

For latest information of the Promat Asia Pacific organisation, please refer to www.promat-ap.com.

ASIA PACIFIC HEADQUARTERS

Promat International (Asia Pacific) Ltd.
Unit 19-02-01, Level 2 PNB Damansara
No.19 Lorong Dungun, Damansara Heights
50490 Kuala Lumpur
MALAYSIA
Tel: +60 (3) 2095 5111
Fax: +60 (3) 2095 6111
Email: info@promat-ap.com

AUSTRALIA

Promat Australia Pty. Ltd.
1 Scotland Road
Mile End South, SA 5031
Tel: 1800 PROMAT (776 628)
Fax: +61 (8) 8352 1014
Email: mail@promat.com.au

New South Wales Office
Promat Australia Pty. Ltd.
Unit 1, 175 Briens Road
Northmead, NSW 2152
Tel: 1800 PROMAT (776 628)
Fax: +61 (2) 9630 0258
Email: mail@promat.com.au

Victoria Office
Promat Australia Pty. Ltd.
Suite 205, 198 Harbour Esplanade
Docklands, VIC 3008
Tel: 1800 PROMAT (776 628)
Fax: 1800 334 598
Email: mail@promat.com.au

Queensland Office
Promat Australia Pty. Ltd.
1/68 Lisgar Street
Virginia, QLD 4014
Tel: 1800 011 376
Fax: 1800 334 598
Email: mail@promat.com.au

CHINA

Promat China Ltd.
Room 506, Block A, Qi Lin Plaza
13-35 Pan Fu Road
510180 Guangzhou
Tel: +86 (20) 8136 1167
Fax: +86 (20) 8136 1372
Email: info@promat.com.cn

Beijing Office
Promat North China
(Division of Promat China Ltd.)
Room 1507 Building 5, SOHO Xiandaicheng
No.88 Jianguo Road, Chaoyang District
100022 Beijing
Tel: +86 (10) 8589 1254
Fax: +86 (10) 8589 2904
Email: info@promat.com.cn

For Promat International and its worldwide group, see www.promat-international.com.

HONG KONG

Promat International (Asia Pacific) Ltd.
Room 1010, C.C. Wu Building
302-308 Hennessy Road
Wanchai
Tel: +852 2836 3692
Fax: +852 2834 4313
Email: apromath@promat.com.hk

INDIA

Promat (Malaysia) Sdn. Bhd.
(India Representative Office)
610-611, Ansal Imperial Tower
C-Block, Community Centre
Naraina Vihar, Naraina
New Delhi 110028
Tel: +91 (11) 2577 8413
Fax: +91 (11) 2577 8414
Email: info-india@promat-asia.com

Bangalore Office
Promat (Malaysia) Sdn. Bhd.
(India Representative Office)
Cabin No. BC-10
Oculus Workspaces, No.66/1, 2nd Floor
Coles Road, Frazer Town
Bangalore 560005
Tel: +91 (80) 4031 4151
Fax: +91 (80) 4125 2135
Email: info-india@promat-asia.com

MALAYSIA

Promat (Malaysia) Sdn. Bhd.
Unit 19-02-01, Level 2 PNB Damansara
No.19 Lorong Dungun, Damansara Heights
50490 Kuala Lumpur
Tel: +60 (3) 2095 8555
Fax: +60 (3) 2095 2111
Email: info@promat.com.my

SINGAPORE

Promat Building System Pte. Ltd.
10 Science Park Road, #03-14 The Alpha
Singapore Science Park II
Singapore 117684
Tel: +65 6776 7635
Fax: +65 6776 7624
Email: info@promat.com.sg

SOUTH KOREA

Promat International (Asia Pacific) Ltd.
(Korea Branch Office)
Room 406, 811-2
Yeoksam-dong Gangnam-gu
Seoul 135080
Tel: +82 (70) 7794 8216
Email: apromath@promat.com.hk

Your local Promat supplier

- The technical data provided in this publication is based on mean values prevalent at time of publication and is thus subject to fluctuation. It should not be regarded as a guarantee to system performance.
- All data contained herein conforms to and frequently surpasses generally accepted fire protection standards recognised by most professional fire science practitioners and regulatory authorities worldwide. The same general principle is equally applicable to all Promat products and systems. Promat has access to a considerable body of test authentication data and this can be provided on a complimentary basis upon request. It should be noted however that this publication replaces all previous editions in its entirety. Any form of reproduction by any means – manual, electronic, digital or otherwise – is strictly prohibited and subject to prior approval in writing from Promat. All rights related or connected to the Promat logo, Promat registered trademarks, featured illustrations, written information and technical reports in this publication are the sole, exclusive and copyright property of Promat and its legal partner companies.