Contents

An introduction to Howe Green 1
Access Covers product overview 2-3

Access Covers for hard floors 4-5
2500 Series 6-7
3500 Series 6-7
5000 Series 8-11
7500 Series 12-15
1050 Series 16-17
HSE 75 Series 18-19
5 Bar Series 20-21
Colouredge 20-21

Access Covers for flexible floors 22-23
Visedge 24-25
Visedge DS 26-27
Visedge VR 26-27

Installation guides and sitework details
Access Covers for hard floors 28
Access Covers for flexible floors 29

Special orders 30

Channel Drain Solutions 31

Floor access cover maintenance
Cover Skate 32
An introduction to Howe Green

Howe Green is a leading manufacturer of fabricated metal floor, wall and ceiling access covers providing innovative, practical, economical solutions for accessing concealed services in floors, walls and ceilings.

The company has developed a respected brand name and a worldwide reputation for quality, customer care and service. For over 30 years Howe Green has been at the forefront of design and innovation in the highly specialised architectural building products sector. We supply premium quality aluminium and stainless steel access covers for a range of applications to a diversity of customers. Our aim is simple - to provide building services professionals with an innovative, practical solution to resolve the problem of accessibility to concealed services, quickly, safely and cost effectively.

Howe Green access covers can be found in all types of locations including airports, factories, hospitals, hotels, offices, railway stations, schools, shopping centres, universities, sports stadiums, swimming pools and conservatories.

Why work with Howe Green?

Expertise
Our expertise in the floor access cover market has evolved from “hands on” knowledge of working with Terrazzo flooring. This practical experience has given Howe Green a real understanding of the constraints that architects, designers, engineers and building services professionals have to work within. Our products have been designed to provide customers with innovative, practical solutions to everyday problems.

You require easy and cost effective access to concealed services. Access that looks good, complies with Health and Safety regulations, fulfils the building owner’s duty of care and has been manufactured with due consideration of the environment.

Howe Green has the expertise to meet your requirements.

Quality
Quality remains at the heart of Howe Green’s manufacturing process. Quality is maintained through the use of the best materials, investment in plant and equipment, the continuous review and refinement of production processes and the operation of strict quality guidelines and rigorous testing. Much of our product development is customer driven. Precision manufacturing to order ensures that you never have to “make do”, we will manufacture to your exact specification with no time or cost penalty.

Quality is never an issue at Howe Green.

Service
Design innovation, product quality, technical support and customer service are the essential elements of the Howe Green service package. By focusing on providing flexibility in these key areas and following a “can do” culture we can ensure we meet the particular demands of individual customers.

Relationships are important to us and trust is the foundation of any relationship. Howe Green customers know they can trust us, we can be relied upon to deliver, to respond to their requirements and to offer a truly flexible service.

With Howe Green it is all about you!

Values
Howe Green is a family business and has been built on the traditional values of respect, trust and honesty. These values form the foundation for all activities undertaken within the business. Our team and network of suppliers are valued and respected, we work together to ensure the best possible products and service are delivered to our customers - every day.

Enjoy a working relationship with Howe Green built on respect, trust and honesty.

Environment
We are committed to protecting the environment and try to ensure the materials we use and our manufacturing processes have minimal environmental impact.

By keeping informed of developments and trends in green building design and refurbishment Howe Green can apply this knowledge to the issue of energy efficiency and sustainability at the point of product design.

Howe Green takes a proactive approach to environmental issues.
<table>
<thead>
<tr>
<th>Cover type</th>
<th>Typical finishes</th>
<th>Performance</th>
<th>Depth</th>
<th>Options</th>
<th>Min. size</th>
<th>Max. size</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Floor Access Covers</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>2500 series</strong></td>
<td><strong>Stainless Steel access cover trims</strong></td>
<td>Solid hardwood floors, Timber strip flooring, Heavy duty laminate flooring</td>
<td>Light duty, Pedestrian Trolley load</td>
<td>25mm (1&quot;)</td>
<td>Single cover</td>
<td>150 x 150mm (6 x 6&quot;)</td>
</tr>
<tr>
<td><strong>3500 series</strong></td>
<td><strong>Aluminium cover</strong></td>
<td>All types of hard floor finish: Ceramic tiles, Marble, Terrazzo, Concrete, Resin, Parquet floors</td>
<td>Light duty, Pedestrian Trolley load</td>
<td>35mm (1/4&quot;)</td>
<td>Single cover</td>
<td>100 x 100mm (4 x 4&quot;)</td>
</tr>
<tr>
<td><strong>5000 series</strong></td>
<td><strong>Stainless Steel cover</strong></td>
<td>All types of hard floor finish: Ceramic tiles, Marble, Terrazzo, Concrete, Resin, Parquet floors</td>
<td>Light duty, Pedestrian Trolley load</td>
<td>50mm (2&quot;)</td>
<td>Single cover</td>
<td>150 x 150mm (6 x 6&quot;)</td>
</tr>
<tr>
<td><strong>5000 series</strong></td>
<td><strong>Aluminium cover</strong></td>
<td>All types of hard floor finish: Ceramic tiles, Marble, Terrazzo, Concrete, Resin, Parquet floors</td>
<td>Light duty, Pedestrian Trolley load</td>
<td>50mm (2&quot;)</td>
<td>Single cover</td>
<td>150 x 150mm (6 x 6&quot;)</td>
</tr>
<tr>
<td><strong>7500 series</strong></td>
<td><strong>Aluminium cover</strong></td>
<td>All types of hard floor finish: Ceramic tiles, Marble, Terrazzo, Concrete, Resin, Parquet floors</td>
<td>Medium duty, Up to 5 tonne wheel load</td>
<td>75mm (3&quot;)</td>
<td>Single cover</td>
<td>150 x 150mm (6 x 6&quot;)</td>
</tr>
<tr>
<td><strong>7500 series</strong></td>
<td><strong>Stainless Steel cover</strong></td>
<td>All types of hard floor finish: Ceramic tiles, Marble, Terrazzo, Concrete, Resin, Parquet floors</td>
<td>Medium duty, Up to 5 tonne wheel load</td>
<td>75mm (3&quot;)</td>
<td>Single cover</td>
<td>150 x 150mm (6 x 6&quot;)</td>
</tr>
<tr>
<td><strong>1050 series</strong></td>
<td><strong>Stainless Steel cover</strong></td>
<td>All types of hard floor finish including external grade paving slabs such as granite and concrete</td>
<td>Heavy duty, 6.5 tonne wheel load</td>
<td>105mm (4&quot;)</td>
<td>Single cover</td>
<td>150 x 150mm (6 x 6&quot;)</td>
</tr>
<tr>
<td><strong>HSE 75 series</strong></td>
<td><strong>Hinged Aluminium cover</strong></td>
<td>All types of hard floor finish: Ceramic tiles, Marble, Terrazzo, Concrete, Resin, Parquet floors</td>
<td>Medium duty, Up to 5 tonne wheel load</td>
<td>75mm (3&quot;)</td>
<td>Single cover</td>
<td>550 x 550mm (21 x 21&quot;)</td>
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<td><strong>HSE 75 series</strong></td>
<td><strong>Hinged Stainless Steel cover</strong></td>
<td>All types of hard floor finish: Ceramic tiles, Marble, Terrazzo, Concrete, Resin, Parquet floors</td>
<td>Medium duty, Up to 5 tonne wheel load</td>
<td>75mm (3&quot;)</td>
<td>Single cover</td>
<td>550 x 550mm (21 x 21&quot;)</td>
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<tr>
<td>Cover type</td>
<td>Typical finishes</td>
<td>Performance</td>
<td>Depth</td>
<td>Options</td>
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<td>Max. size</td>
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<td><strong>Floor Access Covers</strong></td>
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<tr>
<td>5 Bar series aluminium tread plate covers</td>
<td>All types of hard floor finish: Ceramic tiles, Marble, Terrazzo, Concrete, Resin</td>
<td>Light duty Pedestrian Trolley load</td>
<td>50mm (2”)</td>
<td>Single cover</td>
<td>150 x 150mm (6 x 6”)</td>
<td>1000 x 1000mm (39” x 39”)</td>
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<tr>
<td></td>
<td></td>
<td>Duct covers</td>
<td>150mm span (6”)</td>
<td></td>
<td></td>
<td>1000mm span, (39” x 39”)</td>
</tr>
<tr>
<td>Visedge series Aluminium cover</td>
<td>All types of flexible flooring: Vinyl, Linoleum, Rubber, Some carpets</td>
<td>Light duty Pedestrian Trolley load</td>
<td>50mm (2”)</td>
<td>Single cover</td>
<td>150 x 150mm (6 x 6”)</td>
<td>1000 x 1200mm (39” x 47”)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Duct covers</td>
<td>150mm span (6”)</td>
<td></td>
<td></td>
<td>1000mm span, (39” x 39”)</td>
</tr>
<tr>
<td>Visedge series Aluminium securing edge trim</td>
<td>Suitable for flexible sheeting, such as vinyl and linoleum, and for hard paving, such as ceramic tiles. Securing trim with weldable PVC edge designed to enable two differing floor finishes, such as vinyl and terrazzo to be finished flush.</td>
<td>Light duty Pedestrian Trolley load</td>
<td>Supplied in packs of 5</td>
<td>Multipart covers</td>
<td>As required</td>
<td></td>
</tr>
<tr>
<td>Visedge DS series Aluminium securing edge trim</td>
<td>Suitable for flexible sheeting, such as vinyl and linoleum, and for hard paving, such as ceramic tiles. Designed to protect the edge of the final flooring when it has been laid on top of another surface.</td>
<td>Light duty Pedestrian Trolley load</td>
<td>Supplied in packs of 5</td>
<td>2 metre lengths</td>
<td>(78&quot;)</td>
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<tr>
<td>Wall Access Covers</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Waldor 50 Stainless Steel wall access cover</td>
<td>Tiled walls</td>
<td>New build and refurbishment</td>
<td>50mm (2”)</td>
<td></td>
<td>300 x 300mm (11” x 11”)</td>
<td>900 x 600mm (35” x 23”)</td>
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<td>Tile-A-Door + Removable wall access cover</td>
<td>Tiled walls</td>
<td>New build and refurbishment</td>
<td>24 mm (””)</td>
<td></td>
<td>0.16 m² (1.7ft²)</td>
<td></td>
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<tr>
<td>Maghatch Steel Wall access hatch</td>
<td>Plaster walls</td>
<td>New build and refurbishment</td>
<td>1.2 mm (”,”)</td>
<td></td>
<td>210 x 210mm, (8” x 8”) removeable panel</td>
<td>As required, removable panel 250 x 250mm (9” x 9”)</td>
</tr>
<tr>
<td>Combihatch Mild Steel Wall access panel</td>
<td>Plaster walls</td>
<td>New build and refurbishment</td>
<td>70mm (2”)</td>
<td>Single leaf non-fire rated</td>
<td>300 x 300mm (11” x 11”)</td>
<td>1000 x 1000mm (39” x 39”)</td>
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<td></td>
<td>Double leaf non-fire rated</td>
<td>300 x 300mm (11” x 11”)</td>
<td>1000 x 1000mm (39” x 39”)</td>
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<td>Single leaf fire rated</td>
<td>300 x 300mm (11” x 11”)</td>
<td>1000 x 1000mm (39” x 39”)</td>
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<td>Double leaf fire rated</td>
<td>300 x 300mm (11” x 11”)</td>
<td>1000 x 1000mm (39” x 39”)</td>
</tr>
<tr>
<td>Combihatch Mild Steel Ceiling access panel</td>
<td>Plaster ceilings</td>
<td>New build and refurbishment</td>
<td>70mm (2”)</td>
<td>Single/Double leaf non-fire rated</td>
<td>300 x 300mm (11” x 11”)</td>
<td>1000 x 1000mm (39” x 39”)</td>
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<td>Single leaf fire rated</td>
<td>300 x 300mm (11” x 11”)</td>
<td>1000 x 1000mm (39” x 39”)</td>
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<td></td>
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<td>Double leaf fire rated</td>
<td>300 x 300mm (11” x 11”)</td>
<td>1000 x 1000mm (39” x 39”)</td>
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www.ffsystemsinc.com / www.ffsystems.ca
Phone: (USA) +1 (239) 689-5334 / (Canada) +1 519-896-0888
Floor access covers for hard floor finish

Every type of hard flooring finish can be accommodated within the range of Howe Green floor access covers including ceramic tiles, marble, terrazzo, resin and parquet and even external grade finishes such as paving slabs, granite and concrete.

Features and benefits

Materials
The majority of the Howe Green range of floor access covers for hard floor finishes can be manufactured in either aluminium or stainless steel, giving you the freedom to choose the material most suitable to your particular project.

Configuration
To ensure total versatility our floor access covers can be used singly, in continuous runs as duct covers or over large areas as a multipart cover.

Sizes
Howe Green floor access covers are custom made to your exact specification, between stated maximum and minimum sizes. Our investment in plant and equipment ensures custom made products can be manufactured without incurring a time or cost surcharge – to save you time and money.

Tolerances in Accordance With BS EN 22768-1:1993 - ISO 2768-1: 1989 - Class C.

Quality
Every aspect of our floor access covers has been designed and manufactured with quality in mind: Covers are precision made to avoid distortion. Lifting blocks are anchored to the inner frame. Stainless steel securing bolts are stiletto heel proof. Top edge seal on aluminium covers helps prevent dirt, grout or grinding waste ingress. Base plates and reinforcement are galvanised steel to resist corrosion, contact our Technical Department if products are to be used in a corrosive environment such as swimming pools.

Fitting
Quick and easy to install ensuring minimum disruption, full installation instructions provided. Access to network of skilled installation experts is available if required.

Easy access
Howe Green floor access covers provide easy access to under floor services using lifting keys to remove the access cover. Cover sections are tapered for easy removal and frame sections give good key to bedding mortar.

Load bearing capacities
Various load bearing capacities, from light duty or pedestrian to a heavy duty pneumatic wheel loading, up to 6.5 tonne, ensure the suitability of the Howe Green range of access covers whatever the location.

Fire ratings
Fire ratings up to three hours are available on most floor access covers.

Weight
The weight of the access cover should be taken into account where ease of handling is an important consideration. In all cases reference should be made to the Manual Handling Operations Regulations 1992, which implement European Directive 90/269/EEC. If loads are excessive, consideration should be given to the use of hydraulic lifters, or our HSE 75 range.

HSE 75 Series is a gas spring assisted hinged access cover designed specifically for situations where either frequent access is required or ease of handling is critical.

Optional extras
In order to give you exactly the floor access cover you require a number of optional extras are available:

Double seals on the 5000, 7500, 1050 and HSE 75 series to provide the highest levels of hygiene and security.

Brass, stainless steel or coloured high impact pvc show edges on aluminium 5000 and 7500 series ensure aesthetic choice.

Underside release hatch available on HSE 75 series.
2500 Series

**Stainless Steel** Single Cover Trims - Pages 6-7
Floor access covers trims for pedestrian traffic

3500 Series

**Aluminium** Single Cover/Duct Cover - Pages 6-7
Floor access covers for pedestrian traffic

5000 Series

**Aluminium** Single Cover/Duct Cover/Multipart Cover - Pages 8-9
**Stainless Steel** Single Cover/Duct Cover/Multipart Cover - Pages 10-11
Floor access covers for pedestrian traffic

7500 Series

**Aluminium** Single Cover/Duct Cover/Multipart Cover - Pages 12-13
**Stainless Steel** Single Cover/Duct Cover/Multipart Cover - Pages 14-15
Floor access covers for cars and light delivery vehicles

1050 Series

**Stainless Steel** Single Cover/Duct Cover/Multipart Cover - Pages 16-17

HSE 75 Series

**Aluminium** Single Cover/Duct Cover - Pages 18-19
**Stainless Steel** Single Cover/Duct Cover - Pages 18-19
Hinged floor access covers for cars and light delivery vehicles

5 BAR Series

**Aluminium** Tread Plate Covers - Pages 20-21
Tread plate covers for pedestrian traffic

Colouredge

Pages 20-21
High impact pvc show edge to blend with the flooring
Typical specification clause for 2500 series
Recessed floor access / duct* cover and frame trims shall be Howe Green Ltd 2500 series manufactured from stainless steel and fitted with stainless steel securing bolts. Overall outer frame sizes shall be .... † mm x .... † mm. Covers are to be supplied with .... † sets of combined lifting/securing keys. All to be manufactured and supplied by Howe Green Ltd, Marsh Lane, Ware, Hertfordshire, SG12 9QQ, Great Britain, and installed in accordance with the manufacturer’s installation details and sitework guide.
* Delete as appropriate. † Insert appropriate numbers & quantities

Single Cover

Typical floor finishes
All types of heavy duty timber floors.

Performance
Pedestrian traffic (including wheeled trolleys, sack trucks etc.) only.

Size
Overall frame size = clear opening + 70 mm (2 3/4”).
E.g. 250 x 250 mm (9 7/8 x 9 7/8”) clear opening = 320 x 320 mm (12 5/8 x 12 5/8”) overall frame.

Typical specification clause for 3500 series
Recessed floor access / duct* covers and frames shall be Howe Green Ltd 3500 series with aluminium show edge, dirt seal and mechanically jointed corners, galvanised baseplate sealed on seating with socket head securing bolts/ unsealed with blanking bolts*. Sizes shall be as shown on contract drawings nos .... †. Covers are to be supplied complete with .... † sets of combined lifting/securing keys. All to be manufactured and supplied by Howe Green Ltd, Marsh Lane, Ware, Hertfordshire, SG12 9QQ, Great Britain, and installed in accordance with the manufacturer’s installation details and sitework guide.
* Delete as appropriate. † Insert appropriate numbers & quantities

Single Cover

Typical floor finishes
Ceramic tiles, marble, terrazzo, concrete, resin, wood and all hard floors.

Performance
Pedestrian traffic (including wheeled trolleys, sack trucks etc.) only.

Options
Sealed and secured.

Size
Overall frame size = clear opening + 97 mm (3 3/8”).
E.g. 200 mm (7 1/4”) clear opening = 297 mm (11 3/4”) overall frame width.

Weight
A 3500 series cover when filled with concrete weighs approx. 60 kg/m² (12.1 lbs/ft²).
See installation guide on page 34.
2500 Series

**Stainless Steel Single Cover Trims**

Floor access covers trims for pedestrian traffic

- **Maximum / minimum sizes**

  - **Cross section showing timber sub-floors**

  - **2500 Series**

  - **3500 Series**

3500 Series

**Aluminium Single Cover/Duct Cover**

Floor access covers for pedestrian traffic

- **Maximum / minimum sizes**

  - **Cross section showing concrete and timber sub-floors**

  - **2500 Series**

  - **3500 Series**
Typical specification clause for 5000 series

Recessed floor access / duct / multipart* covers and frames shall be Howe Green Ltd 5000 series with 1 hour fire rating to BS 476: Part 20: 1987, continuously fastened aluminium / brass / Colouredge*, top edge dirt seal and mechanically jointed corners, galvanized baseplate and reinforcement, double sealed with socket head securing bolts/unsealed with blanking bolts*. Sizes shall be as shown on contract drawings nos ....† Covers to be supplied complete with ....† sets of combined lifting / securing keys. All to be manufactured and supplied by Howe Green Ltd, Marsh Lane, Ware, Hertfordshire, SG12 9QQ, Great Britain, and installed in accordance with the manufacturer’s installation details and sitework guide.

* Delete as appropriate. † Insert appropriate numbers & quantities

**Single Cover**

Typical floor finishes
Ceramic tiles, marble, terrazzo, concrete, resin, wood and all hard floors.

Performance
Pedestrian traffic (including wheeled trolleys, sack trucks etc.) only.

Options
Every cover is available with a choice of aluminum or brass show edge, and matching lifting blocks, or Colouredge high impact pvc edges with aluminum lifting blocks (see website). Double seal. 1 hour fire rating to BS 476: Part 20: 1987 available; ask for indicative test report.

**Duct Cover**

Typical floor finishes
Ceramic tiles, marble, terrazzo, concrete, resin, wood and all hard floors.

Performance
Pedestrian traffic (including wheeled trolleys, sack trucks etc.) only.

Options
Every cover is available with a choice of aluminum or brass show edge, and matching lifting blocks, or Colouredge high impact pvc edges with aluminum lifting blocks (see website). Double seal.

**Multipart Cover**

Typical floor finishes
Ceramic tiles, marble, terrazzo, concrete, resin, wood and all hard floors.

Performance
Pedestrian traffic (including wheeled trolleys, sack trucks etc.) only.

Options
Every cover is available with a choice of aluminum or brass show edge, and matching lifting blocks, or Colouredge high impact pvc edges with aluminum lifting blocks (see website). Double seal.

Size
Overall frame size = clear opening + 120 mm (4 3/4”).

Weight
A 5000 series cover when filled with concrete weighs approx. 90 kg/m² (18 1/2 lbs/ft²).

See installation guide on page 34.
**5000 Series**

**Aluminium Single Cover/Duct Cover/Multipart Cover**

Floor access covers for pedestrian traffic

**Maximum / minimum sizes**

![Diagram](image1)

**Typical layout**

![Diagram](image2)

**Cross section showing concrete and timber sub-floors**

![Diagram](image3)

**Cross section showing anchor lugs and locking / lifting detail**

![Diagram](image4)

**Cross section showing removable support beam and cross members**

![Diagram](image5)
Typical specification clause for 5000 series

Recessed floor access / duct / multipart* covers and frames shall be Howe Green Ltd 5000 series with 1 hour fire rating to BS 476: Part 20: 1987*, stainless steel with galvanised baseplate and reinforcement, double sealed with socket head securing bolts / unsealed with blanking bolts*. Sizes shall be as shown on contract drawings nos ….† Covers are to be supplied complete with ….† sets of combined lifting/securing keys. All to be manufactured and supplied by Howe Green Ltd, Marsh Lane, Ware, Hertfordshire, SG12 9QQ, Great Britain, and installed in accordance with the manufacturer’s installation details and sitework guide.

* Delete as appropriate  † Insert appropriate numbers & quantities

Single Cover

Typical floor finishes
Ceramic tiles, marble, terrazzo, concrete, resin, wood and all hard floors.

Performance
Pedestrian traffic (including wheeled trolleys, sack trucks etc.) only.

Options
Double seal. 1 hour fire rating to BS 476: Part 20: 1987 available; ask for indicative test report. Inset lifting points.

Duct Cover

Typical floor finishes
Ceramic tiles, marble, terrazzo, concrete, resin, wood and all hard floors.

Performance
Pedestrian traffic (including wheeled trolleys, sack trucks etc.) only.

Options
Double seal. Inset lifting points.

Multipart Cover

Typical floor finishes
Ceramic tiles, marble, terrazzo, concrete, resin, wood and all hard floors.

Performance
Pedestrian traffic (including wheeled trolleys, sack trucks etc.) only.

Options
Double seal. Inset lifting points.

Size
Overall frame size = clear opening + 130 mm (5⅛”).

e.g. 600 x 900 mm (23⅞ x 35⅜”) clear opening = 730 x 1030 mm (29 x 40⅞”) overall frame.

Weight
A 5000 series cover when filled with concrete weighs approx. 90 kg/m² (18⅞ lbs/ft²).

See installation guide on page 34.

Hard floor finishes Single covers Pedestrian traffic

Hard floor finishes Duct covers Pedestrian traffic

Hard floor finishes Multipart covers Pedestrian traffic

Performance
Pedestrian traffic (including wheeled trolleys, sack trucks etc.) only.

Options
Double seal. Inset lifting points.
5000 Series
Stainless Steel Single Cover/Duct Cover/Multipart Cover
Floor access covers for pedestrian traffic

Maximum / minimum sizes

Cross section showing concrete and timber sub-floors

Typical layout

Cross section showing anchor lugs and locking / lifting detail

Cross section showing removable support beam and cross members

Typical layout

Maximum / minimum sizes

Cross section showing concrete and timber sub-floors

Typical layout

Cross section showing anchor lugs and locking / lifting detail

Cross section showing removable support beam and cross members

Typical layout
**Typical specification clause for 7500 series**

Recessed floor access / duct / multipart* covers and frames shall be Howe Green Ltd 7500 series, with 3 hour fire rating to BS 476: Part 20: 1987*, aluminium / brass / Colouredge* top edge dirt seal and mechanically jointed corners, stainless steel base plate and reinforcement, double sealed with socket head securing bolts / unsealed with blanking bolts*. Sizes shall be as shown on contract drawings nos ....† Covers to be supplied complete with ....† sets of combined lifting / securing keys. All to be manufactured and supplied by Howe Green Ltd, Marsh Lane, Ware, Hertfordshire, SG12 9QQ, Great Britain, and installed in accordance with the manufacturer’s installation details and sitework guide.

* Delete as appropriate  † Insert appropriate numbers & quantities

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**Single Cover**

**Typical floor finishes**
Ceramic tiles, marble, terrazzo, concrete, resin, wood and all hard floors.

**Performance**
Up to 5 tonne pneumatic tyre wheel load (cars and light delivery vehicles).

**Options**
Every cover is available with a choice of aluminium or brass show edge, and matching lifting blocks, or Colouredge high impact pvc edges with aluminium lifting blocks (see website). Double seal. 3 hour fire rating to BS 476: Part 20: 1987 available; ask for indicative test report.

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**Duct Cover**

**Typical floor finishes**
Ceramic tiles, marble, terrazzo, concrete, resin, wood and all hard floors.

**Performance**
Up to 3 tonne pneumatic tyre wheel load (cars and light delivery vehicles).

**Options**
Every cover is available with a choice of aluminium or brass show edge, and matching lifting blocks, or Colouredge high impact pvc edges with aluminium lifting blocks (see website). Double seal. 2 hour fire rating to BS 476: Part 20: 1987 available; ask for indicative test report.

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**Multipart Cover**

**Typical floor finishes**
Ceramic tiles, marble, terrazzo, concrete, resin, wood and all hard floors.

**Performance**
Up to 3 tonne pneumatic tyre wheel load (cars and light delivery vehicles).

**Options**
Every cover is available with a choice of aluminium or brass show edge, and matching lifting blocks, or Colouredge high impact pvc edges with aluminium lifting blocks. Double seal. 2 hour fire rating to BS 476: Part 20: 1987 available; ask for indicative test report.

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**Size**
Overall frame size = clear opening + 120 mm (4 3⁄4") e.g. 600 x 900 mm (23 3⁄8 x 35 7⁄16") clear opening = 720 x 1020 mm (28 3⁄8 x 40 1⁄8") overall frame.
Subject to correct infill/installation (see separate guide).

Performance Note: Trucks with small wheels and solid tyres, such as pallet rollers, may limit sizes to less than the stated maximum span. Alternatively, greater spans may be used, but at reduced loadings.

**Weight**
A 7500 series cover when filled with concrete weighs approx. 155 kg/m² (32 lbs/ft²).
See installation guide on page 34.

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**Size**
Overall frame size = clear opening + 120 mm (4 3⁄4") e.g. 550 mm (21 1⁄2")
clear opening = 670 mm (26 3⁄4")
overall frame width.
Subject to correct infill/installation (see separate guide).

**Weight**
A 7500 series cover when filled with concrete weighs approx. 155 kg/m² (32 lbs/ft²).
See installation guide on page 34.

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**Size**
Because of the potentially complex design of multipart layouts, Howe Green recommend early consultation with their Technical Department to achieve the optimum and most economical layout for the given installation.
See also general notes on cover.

**Weight**
A 7500 series cover when filled with concrete weighs approx. 155 kg/m² (32 lbs/ft²).
See installation guide on page 34.
7500 Series

Aluminium Single Cover/Duct Cover/Multipart Cover

Floor access covers for cars and light delivery vehicles

Maximum / minimum sizes

Cross section showing concrete and timber sub-floors

Typical layout

Cross section showing anchor lugs and locking / lifting detail

Cross section showing removable support beam and cross members

Typical layout
Typical specification clause for 7500 series

Recessed floor access / duct / multipart* covers and frames shall be Howe Green Ltd 7500 series, stainless steel, with 3 hour fire rating to BS 476: Part 20: 1987*, galvanised base plate and reinforcement, double sealed with socket head securing bolts / unsealed with blanking bolts*. Sizes shall be as shown on contract drawings nos ….† Covers to be supplied complete with ….t sets of combined lifting / securing keys. All to be manufactured and supplied by Howe Green Ltd, Marsh Lane, Ware, Hertfordshire, SG12 9QQ, Great Britain, and installed in accordance with the manufacturer’s installation details and sitework guide.

* Delete as appropriate. † Insert appropriate numbers & quantities

Single Cover

Typical floor finishes
Ceramic tiles, marble, terrazzo, concrete, resin, wood and all hard floors.

Performance
Up to 5 tonne pneumatic tyre wheel load (cars and light delivery vehicles).

Options
Double seal. 3 hour fire rating to BS 476: Part 20: 1987 available; ask for indicative test report. Inset lifting points.

Duct Cover

Typical floor finishes
Ceramic tiles, marble, terrazzo, concrete, resin, wood and all hard floors.

Performance
Up to 3 tonne pneumatic tyre wheel load (cars and light delivery vehicles).

Options
Double seal. 2 hour fire rating to BS 476: Part 20: 1987 available; ask for indicative test report. Inset lifting points.

Multipart Cover

Typical floor finishes
Ceramic tiles, marble, terrazzo, concrete, resin, wood and all hard floors.

Performance
Up to 3 tonne pneumatic tyre wheel load (cars and light delivery vehicles).

Options
Double seal. 2 hour fire rating to BS 476: Part 20: 1987 available; ask for indicative test report. Inset lifting points.

Size

Overall frame size = clear opening + 130mm (5’’)

E.g. 600 x 900 mm (23’’ x 35’’)

Clear opening = 730 x 1030 mm (29’’ x 40 9/16’’) overall frame.

Performance Note: Trucks with small wheels and solid tyres, such as pallet rollers, may limit sizes to less than the stated maximum span. Alternatively, greater spans may be used, but at reduced loadings.

Weight

A 7500 series cover when filled with concrete weighs approx. 155 kg/m² (32 lbs/ft²).

See installation guide on page 34.

Hard floor finishes Single covers Cars and light delivery vehicles

Size

Overall frame size = clear opening + 130 mm (5’’)

E.g. 550 mm (21 21/32’’) clear opening

= 680 mm (26 3/16’’) overall frame width.

Subject to correct infill/installation.

Weight

A 7500 series cover when filled with concrete weighs approx. 155 kg/m² (32 lbs/ft²).

See installation guide on page 34.

Hard floor finishes Duct covers Cars and light delivery vehicles

Size

Because of the potentially complex design of multipart layouts, Howe Green recommend early consultation with their Technical Department to achieve the optimum and most economical layout for the given installation.

See also general notes on cover.

Weight

A 7500 series cover when filled with concrete weighs approx. 155 kg/m² (32 lbs/ft²).

See installation guide on page 34.

Hard floor finishes Multipart covers Cars and light delivery vehicles
7500 Series
Stainless Steel Single Cover/Duct Cover/Multipart Cover
Floor access covers for cars and light delivery vehicles

Maximum / minimum sizes

Cross section showing concrete and timber sub-floors

Typical layout

Cross section showing anchor lugs and locking / lifting detail

Typical layout

Cross section showing removable support beam and cross members

Maximum / minimum sizes

Typical layout
Typical specification clause for 1050 series

Recessed floor access / duct / multipart* covers and frames shall be Howe Green Ltd 1050 series, with 2 hour fire rating to BS 476: Part 20: 1987*, stainless steel with galvanised base plate and reinforcement, double sealed with socket head securing bolts/ unsealed with blanking bolts*. Sizes shall be as shown on contract drawings nos ……*. Covers to be supplied complete with….† sets of combined lifting/ securing keys. All to be manufactured and supplied by Howe Green Ltd, Marsh Lane, Ware, Hertfordshire, SG12 9QQ, Great Britain, and installed in accordance with the manufacturer’s installation details and sitework guide.

* Delete as appropriate. † Insert appropriate numbers & quantities

Single Cover

Typical floor finishes
External grade paving slabs including granite and concrete.

Performance
Up to 6.5 tonne pneumatic tyre wheel load.

Options
Double seal. Inset lifting points. 3 hour fire rating to BS 476: Part 20: 1987 available; ask for indicative test report.

Size
Overall frame size = clear opening + 130mm (5 1/8 “)
e.g. 600 x 900 mm (23 x 35 3/16 “) clear opening = 730 x 1030 mm (29 x 40 9/16”) overall frame.

Weight
A 1050 series cover when filled with concrete weighs approx.
220 kg/m² (45 lbs/ft²).

See installation guide on page 34.

Duct Cover

Typical floor finishes
External grade paving slabs including granite and concrete.

Performance
Up to 6.5 tonne pneumatic tyre wheel load.

Options
Double seal. Inset lifting points. 2 hour fire rating to BS 476: Part 20: 1987 available; ask for indicative test report.

Size
Overall frame size = clear opening + 130 mm (5 1/4 “)
e.g. 550 mm (21 1/6”) clear opening = 680 mm (26 3/16”) overall frame width.
Subject to correct infill/installation.

Weight
A 1050 series cover when filled with concrete weighs approx.
220 kg/m² (45 lbs/ft²).

See installation guide on page 34.

Multipart Cover

Typical floor finishes
External grade paving slabs including granite and concrete.

Performance
Up to 6.5 tonne pneumatic tyre wheel load.

Options
Double seal. Inset lifting points. 2 hour fire rating to BS 476: Part 20: 1987 available; ask for indicative test report.

Size
Because of the potentially complex design layout of multipart layouts, Howe Green recommends early consultation with their Technical Department to achieve the optimum and economical layout for the given installation.

Weight
A 1050 series cover when filled with concrete weighs approx.
220 kg/m² (45 lbs/ft²).

See installation guide on page 34.
1050 Series

Stainless Steel Single Cover/Duct Cover/Multipart Cover

Maximum / minimum sizes

Cross section showing concrete and timber sub-floors

Typical layout

Cross section showing anchor lugs and locking / lifting detail

Cross section showing removable support beam and cross members
Typical specification clause for HSE 75 series
Recessed floor access hatch shall be Howe Green Ltd HSE 75 series, with fire rating to BS 476: Part 20: 1987*, aluminium / stainless steel show edge*, hatch to be fitted with concealed multi-link hinges, gas springs, galvanised base plate, reinforcement and double seal, top and underside release / top release only*. Sizes shall be as shown on contract drawings nos ....† Covers to be supplied complete with ....† sets of combined lifting/securing keys. All to be manufactured and supplied by Howe Green Ltd, Marsh Lane, Ware, Hertfordshire, SG12 9OQ, Great Britain, and installed in accordance with the manufacturer’s installation details and sitework guide.

* Delete as appropriate. † Insert appropriate numbers & quantities

Single Cover / Duct Cover

Typical floor finishes
Ceramic tiles, marble, terrazzo, concrete, resin, wood and all hard floors.

Performance
Up to 5 tonne pneumatic tyre wheel load (cars and light delivery vehicles).

Options
Double Seal. 3 hour fire rating to BS 476 Part 20: 1987 available; ask for indicative test report. Under side release hatch.

Size
Overall top of frame size (when looking as drawing) = clear opening + 147 mm (5⅜”).
The 2 sides not shown above are 60mm (2⅜”), so the clear opening to overall dimension in that plane is + 120mm (4¼”)
e.g. 600 x 600 mm (23⅛ x 23⅛”) clear opening = 747 x 720 mm (29⅛ x 28⅛”) overall top of frame.

Weight
A HSE 75 series access hatch when filled and installed correctly will require a maximum force of 20kg (45 lbs) to open.

Performance Note: Trucks with small wheels and solid tyres, may limit sizes to less than the stated maximum span. Alternatively, greater spans may be used, but at reduced loadings.

See installation guide on page 34.

Typical specification clause for HSE 75 series
Recessed floor access hatch shall be Howe Green Ltd HSE 75 series, with fire rating to BS 476: Part 20: 1987*, aluminium / stainless steel show edge*, hatch to be fitted with concealed multi-link hinges, gas springs, galvanised base plate, reinforcement and double seal, top and underside release / top release only*. Sizes shall be as shown on contract drawings nos ....† Covers to be supplied complete with ....† sets of combined lifting/securing keys. All to be manufactured and supplied by Howe Green Ltd, Marsh Lane, Ware, Hertfordshire, SG12 9OQ, Great Britain, and installed in accordance with the manufacturer’s installation details and sitework guide.

* Delete as appropriate. † Insert appropriate numbers & quantities

Single Cover / Duct Cover

Typical floor finishes
Ceramic tiles, marble, terrazzo, concrete, resin, wood and all hard floors.

Performance
Up to 5 tonne pneumatic tyre wheel load (cars and light delivery vehicles).

Options
Double Seal. 3 hour fire rating to BS 476 Part 20: 1987 available; ask for indicative test report. Under side release hatch.

Size
Overall top of frame size (when looking as drawing) = clear opening + 133 mm (5⅛”).
The 2 sides not shown above are 60mm (2⅞”), so the clear opening to overall dimension in that plane is + 120mm (4⅜”)
e.g. 600 x 600 mm (23⅞ x 23⅞”) clear opening = 733 x 720 mm (28⅝ x 28⅝”) overall top of frame.

Weight
A HSE 75 series access hatch when filled and installed correctly will require a maximum force of 20kg (45 lbs) to open.

Performance Note: Trucks with small wheels and solid tyres, may limit sizes to less than the stated maximum span. Alternatively, greater spans may be used, but at reduced loadings.

See installation guide on page 34.
HSE 75 Series

Aluminium Single Cover/Duct Cover
Hinged floor access covers for cars and light delivery vehicles

Maximum / minimum sizes

Cross section showing timber sub-floors

HSE 75 Series

Stainless Steel Single Cover/Duct Cover
Hinged floor access covers for cars and light delivery vehicles

Maximum / minimum sizes

Cross section showing concrete sub-floor
Typical specification clause for 5 BAR series

Aluminium access covers shall be Howe Green Ltd 5 Bar series, with aluminium tread plate lid, reinforced as required, single seal*, quick release stainless steel fasteners. Sizes shall be as shown on contract drawings nos …. † Covers to be supplied complete with …. † sets of combined lifting / securing keys. All to be manufactured and supplied by Howe Green Ltd, Marsh Lane, Ware, Hertfordshire, SG12 9OQ, Great Britain, and installed in accordance with the manufacturer’s installation details and sitework guide.

* Delete as appropriate. † Insert appropriate numbers & quantities

Tread Plate Cover

Typical floor finishes
Ceramic tiles, terrazzo, concrete, resin and all hard floors.

Performance
Pedestrian traffic (including wheeled trolleys, sack trucks etc.) only. Consult the Howe Green Technical Department for heavier loadings.

Options
Single Seal.

Size
Overall frame size = clear opening + 82 mm (3 3/4").
e.g. 600 mm (23 5/8") clear opening = 682 mm (26 7/8") overall frame.

Performance Note: Trucks with small wheels and solid tyres, such as pallet rollers, may limit sizes to less than the stated maximum span. Alternatively, greater spans may be used, but at reduced loadings.

Weight
A 5 Bar series access cover weighs 18 kg/m² (3 3/4 lbs/ft²).

See installation guide on page 34.
5 BAR Series

Aluminium Tread Plate Covers

Tread plate covers for pedestrian traffic

Maximum / minimum sizes

Cross section showing concrete sub-floor

Colouredge

High impact pvc show edge to blend with the flooring

Colouredge is available in the following colour options:

- Black
- Forest Green
- White
- Slate Grey
- Terracotta
- Sandstone
- Solid Brass
Floor access covers for flexible floor finish

Howe Green offers the Visedge series of floor access covers that have been specially designed for sheet flooring such as PVC, linoleum and rubber and some carpets.

Features and benefits

Materials
The Visedge series of floor access covers for flexible floor finishes is manufactured from aluminium with a galvanised steel deck.

Configuration
To ensure total versatility the Visedge series of floor access covers can be used singly, in continuous runs as duct covers or over large areas as a multipart cover.

Sizes
Howe Green Visedge floor access covers are custom made to your exact specification, between stated maximum and minimum sizes. Our investment in plant and equipment ensures custom made products can be manufactured without incurring a time or cost surcharge – to save you time and money.

Quality
Every aspect of our Visedge series of floor access covers has been designed and manufactured with quality in mind:

Covers are precision made to avoid distortion

A tough, lightweight, corrosion resistant access cover solution.

Crimped corners allow the access cover and frame to lie flush with the flooring.

Available with a top edge seal to help prevent dirt and water ingress.

Galvanised steel base plates and reinforcement to resist corrosion. Contact our Technical Department if products are to be used in a corrosive environment such as swimming pools.

Fitting
Quick and easy to install ensuring minimum disruption, full installation instructions provided. Access to network of skilled installation experts is available if required.

Easy access
Howe Green floor access covers provide easy access to under floor services using lifting keys to remove the access cover.

Load bearing capacities
A light duty access cover with a load bearing capacity suitable for pedestrian traffic, including wheeled trolleys and sack trucks.

Fire ratings
Fire ratings up to three hours are available on most floor access covers.

Aluminium securing edge trims to seal and protect junctions between flexible flooring and hard flooring.

Visedge DS
The Visedge DS secures and protects the edge of the flexible flooring when it has been laid on top of another surface. The Visedge DS is designed for limited depth application and pedestrian traffic.

Visedge VR
The Visedge VR is a vinyl edge securing trim with weldable pvc edge designed to enable two differing floor finishes, such as vinyl and terrazzo to be finished flush. The Visedge VR anchors the perimeter of the flexible flooring to prevent the ingress of water and to protect the edge profile of the adjoining hard floor finish. It forms an impermeable, flat, hygienic and permanent joint. The Visedge VR is designed for limited depth application and pedestrian traffic.
Visedge Series

**Aluminium Single Cover/Duct Cover/Multipart Cover - Pages 24-25**
Floor access covers trims for pedestrian traffic

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Visedge DS Series

**Aluminium Securing edge trim for limited depth application - Pages 26-27**
Securing edge trim for pedestrian traffic

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Visedge VR Series

**Aluminium Securing edge trim for limited depth application - Pages 26-27**
Securing edge trim for pedestrian traffic
Typical specification clause for Visedge series
Aluminium access covers and duct/multipart covers* and frames shall be Howe Green Ltd Visedge series with top edge dirt seal, weldable pvc securing edge, mechanically jointed corners, double sealed on seating and fitted with securing bolts. Sizes shall be as shown on contract drawings nos ....† Covers are to be supplied complete with ....† sets of combined lifting/secureing keys. All to be manufactured and supplied by Howe Green Ltd, Marsh Lane, Ware, Hertfordshire, SG12 9QQ, Great Britain, and installed in accordance with the manufacturer’s installation details and sitework guide.

* Delete as appropriate † Insert appropriate numbers & quantities

**Size**
Overall frame size = clear opening + 137 mm (5 13 ⁄32”).
e.g. 600 x 600 mm (23 5 ⁄8 x 23 5 ⁄8”) clear opening = 737 x 737 mm (29 1 ⁄32 x 29 1 ⁄32”) overall frame width.

**Weight**
A Visedge series cover weighs approx. 55 kg/m² 11 1 ⁄4 lbs/ft²).
See installation guide on page 35.

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**Single Cover**
Typical floor finishes
Vinyl, linoleum, rubber, all flexible floor coverings and some carpets.

Performance
Pedestrian traffic (including wheeled trolleys, sack trucks etc.) only. Consult the Howe Green Technical Department for heavier loadings.

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**Duct Cover**
Typical floor finishes
Vinyl, linoleum, rubber, all flexible floor coverings and some carpets.

Performance
Pedestrian traffic (including wheeled trolleys, sack trucks etc.) only. Consult the Howe Green Technical Department for heavier loadings.

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**Multipart Cover**
Typical floor finishes
Vinyl, linoleum, rubber, all flexible floor coverings and some carpets.

Performance
Pedestrian traffic (including wheeled trolleys, sack trucks etc.) only. Consult the Howe Green Technical Department for heavier loadings.
Visedge Series

Aluminium Single Cover/Duct Cover/Multipart Cover

Maximum / minimum sizes

Cross section showing concrete and timber sub-floors

Typical layout

Cross section showing anchor lugs and locking / lifting detail

Cross section showing removable support beam and cross members

Typical layout

Section AA showing beam pocket in concrete
**Typical specification clause for Visedge DS series**

Vinyl edge securing trim shall be Howe Green Ltd Visedge DS. Total quantity = ...† No. 2.0 metre lengths. All to be manufactured and supplied by Howe Green Ltd, Marsh Lane, Ware, Hertfordshire, SG12 9QQ, Great Britain, and installed in accordance with the manufacturer’s installation details and sitework guide.

* Delete as appropriate. † Insert appropriate numbers & quantities

**Securing Edge Trim**

**Typical floor finishes**
For junctions of flexible sheeting, e.g. vinyl or linoleum and hard paving, e.g. ceramic tiling etc.

**Performance**
Visedge DS is designed to anchor securely the perimeter of the vinyl flooring.

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**Size**

Visedge DS is stocked in packs of 5 No. 2.0 metre (78 1⁄2”) lengths. Any quantity of 2.0 metre (78 1⁄2”) lengths can be supplied. Subject to correct infill/installation. See installation guide on page 35.

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**Typical specification clause for Visedge VR series**

Vinyl edge securing trim shall be Howe Green Ltd Visedge VR with weldable pvc securing edge. Total quantity = ...† No. 2.0 metre lengths. All to be manufactured and supplied by Howe Green Ltd, Marsh Lane, Ware, Hertfordshire, SG12 9QQ, Great Britain, and installed in accordance with the manufacturer’s installation details and sitework guide.

* Delete as appropriate. † Insert appropriate numbers & quantities

**Securing Edge Trim**

**Typical floor finishes**
For junctions of flexible sheeting, e.g. vinyl or linoleum and hard paving, e.g. ceramic tiling etc.

**Performance**
Visedge VR is designed to anchor securely the perimeter of the vinyl sheeting to prevent the ingress of water and protect the edge profile of the adjoining ceramic tile paving.

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**Size**

Visedge VR is stocked in packs of 5 No. 2.0 metre (78 1⁄2”) lengths. Any quantity of 2.0 metre (78 1⁄2”) lengths can be supplied. See installation guide on page 35.
Visedge DS Series

**Aluminium** Securing edge trim for limited depth application

Securing edge trim for pedestrian traffic

Section at paving junction

- Heavy duty aluminium diminishing strip
- Edge trim is pre-drilled and countersunk to accept No. 10 woodscrew
- Vinyl flooring

40 mm (1 5/32")

10 mm (3/8")

2 mm (5/64")

Existing floor finish

Visedge VR Series

**Aluminium** Securing edge trim for limited depth application

Securing edge trim for pedestrian traffic

Section at paving junction

- Co-extruded locking PVC insert with rigid base and flexible upstand for bonding and welding respectively to vinyl flooring
- Structural slab or existing floor screed
- Edge trim is pre-drilled and countersunk to accept No. 10 woodscrew
- Hard paving e.g. ceramic tiling
- Housing depth: 8.5 mm (11/32")

29.5 mm (1 5/64")

2-4 mm (5/64 - 5/32")

- Aluminium alloy retainer for PVC extrusion
- welded joint
These details are intended as a general guide to correct installation - it is appreciated that site practice can vary depending on the design of slab, type of finish etc.

Further advice is always available from our Technical Department who can be contacted between the hours of 9 am and 5.30 pm on 01920 463230, or alternatively you can email them at info@howegreen.co.uk.

Preparation
Covers are supplied ready for installation internally without further preparation. In external locations, or those that may be permanently wet, all aluminium surfaces in contact with concrete should receive two coats of bituminous paint.

Single covers
1. The cover should be placed into the outer frame and securing bolts screwed in loosely if applicable. For stainless covers bend out anchor lugs.
2. The whole assembly should be bedded down to the correct level. Haunch mortar up on outside of outer frame, to prevent any possible distortion of outer frame when surrounding floor finish is laid.
3. Leave the bedding mortar to cure, then complete the surrounding floor finish.
4. The cover should now be filled (with the exception of the 5 Bar series) without removing it from the outer frame, and using spacers provided between cover and frame. (Note that the design loading and if applicable, fire resistance can only be achieved if the infill is equivalent to the 28 day cube strength of OPC concrete of 40 MPa.)
5. When properly set remove cover and clean taking care not to damage any seals. Make good pointing to the underside of the outer frame. Replace cover.

Duct covers
1. The outer frame will be either of one piece construction if size permits or sectional if large. If it is sectional several covers will have been screwed into the outer frame sections (these should now be loosened) to pre-space to the correct span dimensions if possible. If the unit incorporates steel beams, the beam receiving pockets (if not already attached to the outer frame) should be fitted using the screws provided. Fix stop ends to the end of the outer frame section with connecting spigots supplied. These are only for the purpose of locating one length of outer with the next and are not intended to provide a full strength joint.
2. Fix anchor lugs to the outside edge of the outer frame by crimping with pliers at approx. 600 mm (24”) centres. For stainless covers, bend out anchor lugs.
3. Place all of the removable cross members into position, (if fitted) then bed frame down to correct line and level, (if the frame is sectional working away from the stop end) making sure that the frame remains straight and is not distorted in any way. If universal beams are incorporated they require levelling by placing packing mortar between base of beam pocket and loose beam seating plates supplied.
4. As work proceeds place loose covers into duct frame to check that the gap between the outer frames is correct making sure that spacers supplied are used between cover and frame to maintain a minimum 1mm (¹⁄₃₂”) joint between the cover and frame, and bolts if fitted are screwed in loosely. The covers may now be filled (with the exception of the 5 Bar series) and the floor finish to the outside of the outer frame completed. Again taking care not to distort either the cover or the outer frame sections. Larger span covers may require propping from below to prevent distortion caused by the weight of the wet concrete infill. (Note that the design loading and if applicable, fire resistance can only be achieved if the infill is equivalent to the 28 day cube strength of OPC concrete of 40 MPa).
6. When properly set the covers should be removed, and cleaned taking care not to damage any seals, the joint between the cross members, (if fitted) and outer frame should be sealed with mastic.

HSE 75 series
1. Remove the hinge securing bolts, then lift out the cover from the outer frame. Assemble the lower gas spring fixing brackets with the outer frame using the bolts supplied.
2. Bed the outer frame on mortar to the correct line and level ensuring that the lower gas spring brackets are in contact with the vertical concrete face of the pit wall.
3. Mark and drill the 8 fixing holes through the lower gas spring brackets into the vertical concrete face of the pit wall, and then bolt to the concrete using suitable fasteners.
4. At this stage the cover should be positioned within the outer frame and the hinges bolted to outer frame, the safety stay should also be attached using the bolts provided. The hinges should now be adjusted to provide a minimum 1mm gap between the cover and frame (stainless version only), the spacers provided should be used to maintain the minimum 1mm gap. Haunch mortar up outside of outer frame, to prevent any possible distortion of outer frame when surrounding floor finish is laid.
5. Leave the bedding mortar to cure, then complete the surrounding floor finish.
6. The cover should now be filled without removing it from the outer frame. (Note that the design loading and if applicable, fire resistance can only be achieved if the infill is equivalent to the 28 day cube strength of OPC concrete of 40 MPa).
7. When properly cured the cover should be lifted with care using the keys provided making sure the safety stay engages. The cover and frame should be thoroughly cleaned taking care not to damage any seals or intumescent strip fitted. Make good pointing to the underside of the outer frame.
8. The gas springs should now be screwed into position, then the cover can be gently lowered and locked into the closed position.

Lifting and maintenance procedures
1. Remove all bolts from the lifting points using key provided except the 5 Bar series where the bolts should be loosened.
2. Screw in by 12-15 mm (¹⁄₂ - ⁵⁄₈”) a lifting key into each lifting point except the 5 Bar series where the key should be positioned under the bolt head. A lifting device should be used where the weight to be lifted exceeds the Manual Handling Operations Regulations 1992.
3. Lift out cover without dragging across outer frame to avoid damage.
4. Clean thoroughly both the seating and cover checking the condition of the double base seal and intumescent seal if fitted, also checking the top edge dirt seal. Then re-treat the underside of the cover with waxoyl or similar inhibitor if required.
5. Check condition of gas springs on HSE 75 series.
6. Replace cover carefully and insert all securing/plug bolts taking care not to over tighten.

Should any of the seals, bolts or other removable components be damaged or missing they are available for replacement.
**Visedge series access covers – Single covers**

Set the cover in the outer frame, fitting the securing or blanking bolts supplied. Maintain a 1 mm (1/32”) gap between the cover and the frame sections.

Lay the screed up to the outer frame, ensuring that the PVC extrusion is kept clean.

When the screed has cured and the installation of the sheet flooring is about to commence, remove the protective tape from the PVC extrusion on both the cover frame and the outer frame. Cut the flooring material up to the upstand of the PVC extrusion on the outer frame and lay into position, using adhesive as necessary. In similar manner cut the flooring material within the cover frame up to the upstand of the PVC extrusion and under the clamping ferrules around the lifting/locking bolts, and bond with adhesive. The floor finish should then be welded, in accordance with the manufacturer’s instructions, to the top edge of the PVC extrusions, on both the cover frame and the outer frame. Screw down the clamping ferrules until they are flush with the floor finish.

Finally lift out and clean the cover. Point the underside of the frame with 1:3 cement/sand mortar, if necessary. Replace the cover and tighten the securing bolts.

Remember to leave the lifting/locking keys with the building owner.

**Visedge series access covers – Duct covers**

These are installed in a similar way to the duct covers for the 5000 and 7500 series. See previous page.

**Visedge DS edge trim**

When the flexible flooring has been fixed, cut the lengths of Visedge DS to suit the floor layout. Starting from one end, place a length of trim in position and mark the floor through the countersunk holes in the trim, then drill and plug the floor. When ready to fix the trim, apply some epoxy adhesive to the underside of the trim, then carefully position the trim and screw down.

**Visedge VR edge trim**

Mark out the floor to define the junction between the hard paving and the sheet flooring, i.e. the extremity of the aluminium upstand of the Visedge VR trim. Cut lengths of trim to suit and place in position. Mark the floor through the countersunk holes in the trim, then drill and plug the floor where applicable. The Visedge VR trim should now be screwed into position taking care to keep the correct line and level. The hard paving, e.g. ceramic tiling, and the vinyl floor screeding can now be laid as necessary. It is important that the pvc insert is kept clean and that the protective tape remains intact and is not removed until the floor finish is ready for bonding. Cut and fit the vinyl sheet flooring to the Visedge upstand, bond and weld.

If in doubt, contact the Howe Green Technical Department, who will be pleased to assist.
Our ability to respond to customer requirements is what makes Howe Green different. We have a reputation, built over many years, for solving problems. Working together with customers we use our industry knowledge, technical expertise and cutting edge equipment to deliver solutions that will overcome the challenges they face.

Investment in computer design software and C.N.C. machinery enables us to manufacture items such as special purpose access covers, edge trims and corner guards quickly, accurately and cost effectively.

Utilising a highly automated system ensures that Howe Green can produce the components required to the exact specification required. Custom made access covers and other “specials” can be handled swiftly and efficiently helping to reduce installation times on site.

Howe Green is routinely asked to provide solutions to specific site problems and requirements, examples of our “specials” include:

- Mosaic trim for underground tunnels, used by London Underground at Kings Cross Station.
- Stainless steel brackets for stone wall cladding hanging system.
- Tree planter covers to help reduce slip and trip hazards, as used at T5 Heathrow.
- Corner guards for tiled walls, as used by London Underground where new guards were commissioned to match in with existing trims for Shepherd’s Bush station.
- Trunking systems to complement the Howe Green range of floor access duct covers.
- Floor access covers to fit within raised access floors, for example in canteens where a water resistant access is required to concealed services.
- Two bespoke runs, each measuring 5 metres x 0.5 metre, of brushed stainless steel floor access covers to sit alongside a glass floor at the Roman Baths visitor attraction in Bath.

Howe Green is a truly customer focused and driven company. Many of our existing access covers have been developed as the result of a customer request for a solution to a particular access problem or situation. We remain committed to listening to our customers and responding to their requirements, in this way our product range will continue to evolve and be demand led.
Channel Drain Solutions

Suitable for a wide range of applications including changing rooms, shower areas, spas, kitchens, laboratories, veterinary surgeries and other areas that require drainage, Howe Green’s range of channel drains offer durability and performance.

Suitable for a wide variety of floor types, manufactured from corrosion resistant stainless steel and come in a choice of grate finish to suit most applications. Available with level or sloping channels, they are supported by outlets and junctions to provide a complete channel drain solution.

HG100
The HG100 linear drainage channel is available in modular form to suit most site situations including both level or sloping invert. It is also available as a made to measure system to suit specific requirements.

It is available in either 304 or 316 austenitic stainless steel. The system provides an easy to clean, hygienic solution. As it is produced from stainless steel it is also 100% recyclable and requires little maintenance.

HG200
The HG200 slot drain is available in modular form to suit most site situations including both level or sloping invert. It is also available as a made to measure system to suit specific requirements.

It is available in either 304 or 316 austenitic stainless steel. The system provides an easy to clean, hygienic solution. As it is produced from stainless steel it is also 100% recyclable and requires little maintenance.

Features and benefits
- Channels can be fitted into most types of floor finish e.g. ceramic tiles or resin.
- Normally fabricated from austenitic grade 304 stainless steel, however 316 grade is also available if required.
- Standard 50, 60, 75 or 110mmØ spigot outlet.
- Choice of grating design for HG100 or “slot” finish for HG200
- Constant invert or variable inverts available.
- Channels can be manufactured to suit specific layout requirements.

Options
- Shower grating with 20x5mm (¾ x ¼”) slots, locked down gratings.
- Anti-slip ladder grating with 1.5mm (¼”) bars and 11.5mm (¾”) spacing between, locked down gratings.
- Fine linear grating with 1.5mm (¼”) bars and 5mm (¼”) spacing between, locked down gratings.
- Polymer grating with 8mm (¼”) wide slots, locked down gratings.
Cover Skate - floor access cover maintenance

Make light work of lifting heavy floor access covers. The Howe Green Cover Skate is the ingenious way to lift heavy floor access covers. Simple, convenient and extremely portable you can carry the Cover Skate in a bag and lift even the heaviest of covers on your own – safely, easily and quickly.

Features and benefits

The Cover Skate means you need less people to do the job and don’t have to worry about the health and safety issues that come with using bigger pieces of equipment. Suitable for use in all types of locations from airports, factories and hospitals to hotels, offices and schools the Cover Skate gives you access to concealed services quickly, safely and cost effectively.

The Howe Green Cover Skate is the ingenious way to lift heavy floor access covers. Simple, convenient and extremely portable you can carry the Cover Skate in a bag and lift even the heaviest of covers on your own – safely, easily and quickly.

- Easy to carry and store
- Very durable and corrosion resistant
- Simple and quick to use
- 300kg lift from each “cover skate”
- Lifting keys to suit other manufacturers covers available to order

Instructions for use

1. Remove cover securing bolts.
2. Place a “Cover Skate” over a cover lifting point with the wheels outside the outer frame.
3. Remove the cover skate bolt from the storage position and screw into the cover lifting point until fully home and hand tight, ensuring that the base of the Cover Skate is flush with the cover.
4. Take the second Cover Skate and repeat the above on the diagonally opposite lifting point.
5. Turn the jacking handle clockwise on one of the Cover Skates until the cover edge has lifted by approximately 1cm.
6. Now using the second Cover Skate lift the other side of the cover by approximately 1cm.
7. The cover should now be raised as evenly as possible using the two Cover Skate’s until it is clear of the outer frame.
8. Carefully wheel the cover to one side of the opening, making sure that the hole is cordoned off to prevent falls.
9. To replace the cover ensure that the cover and the frame are clean and then follow the above in reverse order.
Exclusive Distributor of Howe Green products in USA & Canada

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