

Meersbloem-Melden 16
9700 Oudenaarde - Belgium
T: + 32 55 31 83 35
F: + 32 55 31 43 88
www.vergokan.com

Spec Text_5_3_Vergokan_Flush_Floor_Trunking_Systems_EN_2019
April 2019 Edition

Use of specification:

- The '#' character indicates that a choice needs to be made. There is only one option. All text that follows the character and is marked in 'red', is part of this choice.
- All Vergokan brand names are marked in orange.
- There are multiple choices/options available for titles shown in green. depending on the desired shape and floor finish. These are listed for information purposes.
- any notes are shown in blue

5 Vergokan floor trunking systems

Introduction

Vergokan floor trunking is to be installed in accordance with AREI regulations.
All Vergokan floor trunking systems are manufactured in accordance with quality system ISO 9001.
All floor trunking is covered by the Low Voltage Directive, CE Marking Directive 93/68/EEC and is CE marked.

5.3 Vergokan open flush floor trunking systems

5.3.1 Floor trunking system type

The **type OVG** floor trunking system has been tested in accordance with EN 50085-2-2. This is an open floor trunking system, in which the covers of the floor trunking are at the same level as the screed or the finished floor, in line with the desired finish. The minimum depth of the screed is 55 mm.

Hinged lids are fitted to the floor trunking lids at specific points with device boxes (available only with screed heights of 70 mm and over).

As the floor trunking lids remain accessible, hinged lids can be replaced, removed or added as required. The floor trunking comprises universal sides for all levelling heights.

5.3.2 Floor trunking dimensions and features

Type OVG floor trunking is made up of 2 aluminium extrusion profiles and 2 plastic sides, which, depending on the desired height, are fixed to the subfloor with the short side or the long side. The extrusion profile is kept in place by an aluminium leveller that provides height adjustment; a bolt passes through the leveller and rests with its head on a steel plate or on the plastic side.

Meersbloem-Melden 16
9700 Oudenaarde - Belgium
T: + 32 55 31 83 35
F: + 32 55 31 43 88
www.vergokan.com

Spec Text_5_3_Vergokan_Flush_Floor_Trunking_Systems_EN_2019
April 2019 Edition

- # the levelling range with the long side of the L-profile on the subfloor is 55 - 80 mm.
- # the levelling range with the short side of the L-profile on the subfloor is 80 - 110 mm.

They are kept at the necessary distance apart by a crosspiece and lids. Both the crosspiece and the lid are #250, #350, #450 mm wide.

5.3.2.1 Compartmentalising

To create different compartments in the open floor trunking system, a type SLOS L-shaped partition can be utilised, fixed to the subfloor with screws.

5.3.2.2 Accessories

Bends (OVGB), tees (OVGT), crosspieces (OVGK), ends (OVGE), etc. are utilised to create the type OVG open floor trunking runs.

5.3.2.3 Covers

Type OVG floor trunking is fitted with a type DOVG lid, which is screwed to the floor trunking. These lids remain accessible after installation. It is recommended that they should be left free from any floor covering or covered with an (easily) removable covering.

A #type DOVGV2 (rectangular), #type DOVGV3 (square), #type DOVGR3 (round) lid with a recess is to be utilised for the application of a hinged lid on the open floor trunking. Depending on the hinged cover used, this recess is:

- # square measuring 267 x 267 mm, type DOVGV3 for a type KDVKK3, KDVIRK3 hinged lid.
- # rectangular measuring 192 x 267 mm, type DOVGV2 for a type KDVKK2, KDVIRK2 hinged lid.
- # round measuring 327 mm in diameter, type DOVGR3 for a type KDRKK3 hinged lid.

5.3.2.4 Connecting floor trunking

The type OVG floor trunking system profile lengths are connected together using a type OVGST foot which in continuous sections also performs an equipotential bonding function. Equipotential bonding is provided for accessories by the earthing terminals and cables included.

Meersbloem-Melden 16
9700 Oudenaarde - Belgium
T: + 32 55 31 83 35
F: + 32 55 31 43 88
www.vergokan.com

Spec Text_5_3_Vergokan_Flush_Floor_Trunking_Systems_EN_2019
April 2019 Edition

5.3.3 Materials and surface treatments

Type OVG floor trunking system components are made up of:

- aluminium extrusion profiles
- L-shaped side and carpet edge in polyvinyl chloride
- other components, such as crosspiece, lids, etc., are manufactured from continuous hot-dip galvanised steel by the Sendzimir process in accordance with EN 10 143 and EN 10 327 standards.

5.3.4 Floor lids

5.3.4.1 Square hinged lids

5.3.4.1.1 Hinged lid for vinyl or carpet

The type KDVKK3 square hinged lid is manufactured from polypropylene and is fitted in the type DOGV3 open floor lid with a square recess. The hinged cover measures 267 x 267 mm. It has a 9.5 mm bevelled edge that rests on the floor as well as protecting the carpet or vinyl covering. The clamps are to be replaced by the open floor cover clamps supplied. The clamping range is between 3 and 25 mm.

The four walls of the frame feature 6 sets of 6 horizontal perforations, spaced vertically at 5 mm to fix type #TSBU #TSBL3 junction boxes.

The flat area of the hinged lid is fitted with a 3 mm thick steel plate. A 5 mm recess enables the lid to be covered with carpet or vinyl.

The hinged lid is coloured #grey (RAL 7011), #black (RAL 9011).
The IP rating of the lid is 30 when closed and 20 when in use.

The hinged lid has two cable entry openings with an integral opening handle and two cable ties. The hinged lid does not need to be earthed.

5.3.4.1.2 Folding lid for parquet or tiles.

A type KDVIRK3 hinged lid in AISI 304 stainless steel is used for tiled or parquet floor coverings where there is no requirement for watertightness. The hinged lid is to be fitted in the type DOGV3 open floor cover with a square recess. The hinged lid itself measures 267 x 267 mm inside. It features a self-supporting stainless-steel edge frame resting on the floor. The clamps are to be replaced by the open floor cover clamps supplied. The clamping range is between 3 and 25 mm.

Meersbloem-Melden 16
9700 Oudenaarde - Belgium
T: + 32 55 31 83 35
F: + 32 55 31 43 88
www.vergokan.com

Spec Text_5_3_Vergokan_Flush_Floor_Trunking_Systems_EN_2019 April 2019 Edition

The four walls of the frame feature 6 sets of 6 horizontal perforations, spaced vertically at 5 mm to fix **type #TSBU #TSBL3** junction boxes.

A 26 mm deep recess is provided to enable the lid to be covered with parquet or tiles.

The IP rating of the lid is 30 when closed and 20 when in use.
Electrical equipment may only be built into floors that are cleaned dry or with a damp mop.

The hinged lid has two cable entry openings with an integral opening handle and two cable tidies.
The hinged lid features equipotential bonding between the lid and the frame.

5.3.4.2 Rectangular hinged lids

5.3.4.2.1 Hinged lid for vinyl or carpet

The **type KDVKK2** rectangular hinged cover is manufactured from polypropylene. The cover is fitted in the **type DOVGV2** open floor lid with a rectangular recess. The hinged cover measures 192 x 267 mm.

It has a 9.5 mm bevelled edge that rests on the floor as well as protecting the carpet or vinyl covering. The clamps are to be replaced by the open floor cover clamps supplied. The clamping range is between 3 and 25 mm.

The two shorter walls of the frame feature 4 sets of 6 horizontal perforations, spaced vertically at 5 mm to fix **type #TSBU #TSBL3** junction boxes.

The flat area of the hinged lid is fitted with a 3 mm thick steel plate. A 5 mm recess enables the lid to be covered with carpet or vinyl.

The hinged lid is **coloured #grey (RAL 7011), #black (RAL 9011)**.

The IP rating of the lid is 30 when closed and 20 when in use.

The hinged lid has a cable entry opening with an integral opening handle and cable tidies. The hinged lid does not need to be earthed.

5.3.4.2.2 Folding lid for parquet or tiles.

A **type KDVIK2** hinged lid in AISI 304 stainless steel is used for tiled or parquet floor coverings where there is no requirement for watertightness. The hinged lid is to be fitted in the **type DOVGV2** open floor cover with a square recess. The hinged lid itself measures 192 x 267 mm inside.

It features a self-supporting stainless-steel edge frame resting on the floor. The clamps are to be replaced by the open floor cover clamps supplied. The clamping range is between 3 and 25 mm.

Meersbloem-Melden 16
9700 Oudenaarde - Belgium
T: + 32 55 31 83 35
F: + 32 55 31 43 88
www.vergokan.com

Spec Text_5_3_Vergokan_Flush_Floor_Trunking_Systems_EN_2019 April 2019 Edition

The two shorter walls of the frame feature 4 sets of 6 horizontal perforations, spaced vertically at 5 mm to fix **type #TSBU #TSBL3** junction boxes.

A 26 mm deep recess is provided to enable the lid to be covered with parquet or tiles.

The IP rating of the lid is 30 when closed and 20 when in use.
Electrical equipment may only be built into floors that are cleaned dry or with a damp mop.

The hinged lid has a cable entry opening with an integral opening handle and cable ties. The hinged lid features equipotential bonding between the lid and the frame.

5.3.4.3 Round hinged lids

5.3.4.3.1 Hinged lid for vinyl or carpet.

The **type KDRKK3** square hinged lid is manufactured from polypropylene and is fitted in the **type DOVGR3** open floor lid with a square recess. The hinged lid is 327 mm in diameter. It has a 9.5 mm bevelled edge that rests on the floor as well as protecting the carpet or vinyl covering. The clamps are to be replaced by the open floor cover clamps supplied. The clamping range is between 3 and 25 mm.

The four walls of the frame feature 6 sets of 6 horizontal perforations, spaced vertically at 5 mm to fix **type #TSBU #TSBL3** junction boxes.

The flat area of the hinged lid is fitted with a 3 mm thick steel plate. A 5 mm recess enables the lid to be covered with carpet or vinyl.

The hinged lid is **coloured #grey (RAL 7011), #black (RAL 9011)**.
The IP rating of the lid is 30 when closed and 20 when in use.

The hinged lid has two cable entry openings with an integral opening handle and two cable ties. The hinged lid does not need to be earthed.