FINBIN®

SCANDINAVIAN DESIGN
LITTER BINS AND
RECYCLING BINS
CUSTOMER DRIVEN DESIGN FOR URBAN ENVIRONMENTS

FinBin® is a product family for furnishing of public environments. The product range covers urban furniture: litter bins, recycling bins and other street furniture as benches, shelters etc. FinBin® is a brand of company Lehtovuori Oy.

IT ALL STARTED IN 1945

The roots of the company date back in 1945 when a Finnish company Lehtovuori Oy were established. Company provides living environment products and solutions for furnishing interior and exterior environment. Since that the products have been strongly present in the living environments in the city surroundings, public and commercial premises, terminals, housing areas, parks, play and sporting grounds etc. Product range covers benches, litter bins, bicycle storing systems, shelters etc.

FINBIN PRODUCTS SINCE 1995

The FinBin® story starts around 1990. The City of Helsinki put out a tender for a completely new litter bin design. The winning model represented pure Nordic design. It was designed according to customer requirements, and soon City® litter bins filled the public areas of the capital of Finland – as they still do and later also in many other cities. The product range were soon expanded with new litter bin products combined with good design and durable functionality. In 1995 the name FinBin® was launched when the first litter bin products were delivered to international markets. Since that the FinBin® litter bin products can be found in many locations in Europe, Middle-East and North-America. Today the FinBin brand represents Lehtovuori Oy’s products for export internationally markets including also other products for urban furnishing: benches, bicycle storing, shelters etc.

The FinBin® continues its success in many markets and the same passion drives the creation of new models. Details matter: visual and environmental values, ergonomics, economy and user friendliness are all taken into account and result in optimal material and form choices.
A stronger, lighter and more sustainable world

HIGH QUALITY

OWN MODERN FACTORY

FinBin® is a brand of company Lehtovuori Oy. Our own, unique factory sets us apart, equipped with modern production machinery which includes, laser cutting, bending and brake presses, robotic & hand-welding and automated powder-coating line.

WHAT MAKES OUR BINS EXCEPTIONALLY DURABLE?

We use only internationally standardized steel grades. Our powder-coated bins for outdoor use are made using galvannealed steel which drastically improves durability in comparison to galvanized steel, adding extra resistance to weathering, sometimes adding decades to the product life cycle. The metal is bathed in a molten zinc bath and then processed through air knives. When heated at 500-565 degrees, the zinc causes a diffusion process which creates this unique surface.

When used in production this rough surface is perfect for manufacturing outdoor products because when painted, the microscopic crevices accept and hold paint better and produces high-quality painting results compared to galvanized steel. This unique surface gives FinBin® the competitive edge as it is perfect for painting, the paint is embedded into the deep crevices giving them the best possible finish making them more attractive. This also gives the bins their elongated product life spam as they become super resistance against corrosion and rust.

IMPROVED COMPETITIVE ADVANTAGE WITH GALVANNEALED

- A stronger product with less material
- Very good corrosion resistance
- Excellent paintability
OUTDOOR LITTER BINS

WE KEEP YOUR ENVIRONMENT CLEAN

Looking for something exquisite? Elegant FINBIN® litter bins enhance the environment and reduce littering with their discreet Nordic design. These timeless and durable bins are ideal for demanding surroundings where safety and recycling matter. Designed for both outdoor and indoor use, the FinBin range provides the right choice for parks, streets and recreation grounds as well as for offices, passenger terminals, shopping malls and other public buildings. Different sizes, fastening options and generous selection of colours offer unlimited opportunities to furnish your environment.
CitySolar and CityPack are next-generation products for the collection of waste materials in an urban environment, one in which a large collection capacity is required on streets and in parks. CitySolar and CityPack reduces the number of required maintenance services, saves the environment and increases the cost effectiveness of emptying activities, by decreasing the required frequency of emptying.

CitySolar and CityPack equipment are ideally applicable for general waste management logistics, as the 240 litre wheeled waste containers, which are used as the inner containers of the collection equipment, can be emptied directly into the container of a waste truck or another vehicle fitted with a container tipping device.

The layout of the CitySolar and CityPack equipment can be customized, according to the environment, through the use of different colors. In addition, it is also possible to use different materials on the side panels, or even print images or textures for the panels.

CitySolar is suitable for locations where a large volume of material is collected and there is a desire to reduce the frequency of emptying. CitySolar is equipped with a solar-powered compression unit, which compresses the material collected in the inner container, and thus the collection capacity can be utilized effectively. The frequency of emptying can be reduced, on a number of cases, even by 80-90%. CitySolar measures the filling level of the inner container. Signal lights in the front panel of the bin indicate the filling level and when the bin needs to be emptied. Alternatively the CitySolar can be connected to Finbin®Care cloud service which provides an online platform for maintenance and management. Map based Finbin®Care cloud service shows the location info and status of the collection equipment, provides real-time statistics and sends automatic notifications by email for the responsible service provider when the bin needs to be emptied.

CityPack is suitable for city street and parks, where a high collection capacity is required, but the compression of the waste is not necessary, or the collection of sorted waste material, which does not need to be compressed. E.g. newspapers.

### CITYSOLAR & CITYPACK

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saves on emptying costs</td>
<td>Reduces the need for maintenance services</td>
</tr>
</tbody>
</table>

### CITYSOLAR & CITYPACK

- **CitySolar**:
  - **Features**:
    - Solar-powered compression unit
    - Measures filling level
    - Connects to Finbin®Care cloud service
  - **Equipment Details**:
    - Dimensions: 1440*750*890 mm
    - Capacity: 240 liters
    - Aperture: 380*200 mm
    - Weight: 150 kg
    - Material: Aluminium, powder coated galvanized steel and stainless steel

- **CityPack**:
  - **Features**:
    - Suitable for city street and parks
    - Connects to Finbin®Care cloud service
  - **Equipment Details**:
    - Dimensions: 1440*750*890 mm
    - Capacity: 240 liters
    - Aperture: 380*200 mm
    - Weight: 75 kg
    - Material: Aluminium, powder coated galvanized steel and stainless steel

### Standard Colours

- All RAL colours available

### Original Design

- **Original Design by Yrjö Ojanen**

### Key References

- City of Solna (Sweden)
- City of Tampere (Finland)
- Korkeasaari Zoo (Finland)
The Finbin® Novus litter bin series is a stylish solution for any environment: for streets, parks, commercial facilities, indoors and outdoors. Four sizes of Novus litter bins, different fixture options and colour options make it really flexible litter bin serie.

Novus 50, 80, 80 two-sided, 120, 200 and 200 two-sided models. The basic Novus bins can be equipped with a side ashtray tube. Integrated ashtray is available for one- and two-sided Novus 80 and 200. Available in stainless steel or powder coated galvannealed steel.

A solid body and a hinged door with a lock in basic models. Galvanised liner inside the bin. Sloped and convex top drains water away and prevent users from leaving waste on top of the bin.

### Novus Dimension, Capacity, Aperture, Weight, Material, Thickness

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimensions</th>
<th>Capacity</th>
<th>Aperture</th>
<th>Weight</th>
<th>Material</th>
<th>Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Novus 50</td>
<td>660*360 mm</td>
<td>50 l</td>
<td>290*140 mm</td>
<td>20 kg</td>
<td>galvannealed steel and stainless steel (EN1.4301)</td>
<td>2 mm</td>
</tr>
<tr>
<td>Novus 80</td>
<td>920*360 mm</td>
<td>80 l</td>
<td>290*140 mm</td>
<td>25 kg</td>
<td>galvannealed steel and stainless steel (EN1.4301)</td>
<td>2 mm</td>
</tr>
<tr>
<td>Novus 120</td>
<td>1050*400 mm</td>
<td>120 l</td>
<td>330*150 mm</td>
<td>32 kg</td>
<td>galvannealed steel and stainless steel (EN1.4301)</td>
<td>2 mm</td>
</tr>
<tr>
<td>Novus 200</td>
<td>1140*540 mm</td>
<td>200 l</td>
<td>470*170 mm</td>
<td>58 kg</td>
<td>galvannealed steel and stainless steel (EN1.4301)</td>
<td>2 mm</td>
</tr>
<tr>
<td>Novus COMBI Ashtray</td>
<td>560*130 mm</td>
<td>6 l</td>
<td>75*25 mm</td>
<td>4 kg</td>
<td>galvannealed steel and stainless steel (EN1.4301)</td>
<td>1.25 mm</td>
</tr>
</tbody>
</table>

### Standard Colours
- RAL 6005
- RAL 6009
- RAL 9005
- RAL 9006
- DB703

### Original Design by Yrjö Ojanen

**KEY REFERENCES**
- Tallinn main railway station (Estonia)
- City of Helsinki (Finland)
- Stockholm metropolitan area (Sweden)
Thanks to their contemporary design, the Unique Series bins are the right choice for even the most demanding surroundings.

The standard material is stainless steel, which gives a distinguished appearance and durability – but if needed, a Unique bin can be supplied in galvannealed powder coated steel. Unique Series bins can be equipped with a recycling mask for the selective collection of different waste fractions: e.g. paper and PET bottles. The round shape makes Unique vandal proof and its well-planned details ensure easy use. The shape of the lid provides good protection against the rain and animals. The front door is locked and hinged. Volcano ashtray is available with integrated litter bin. Waste aperture on the side of the bin.

**DIMENSIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimension (mm)</th>
<th>Capacity (l)</th>
<th>Aperture (mm)</th>
<th>Weight (kg)</th>
<th>Material</th>
<th>Material Thickness (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIQUE 100</td>
<td>1050x400</td>
<td>56</td>
<td>260x140</td>
<td>35</td>
<td>galvannealed steel and stainless steel</td>
<td>2</td>
</tr>
<tr>
<td>UNIQUE 140</td>
<td>1090x450</td>
<td>91</td>
<td>300x140</td>
<td>41</td>
<td>galvannealed steel and stainless steel</td>
<td>2</td>
</tr>
<tr>
<td>VOLCANO ASHTRAY WITH INTEGRATED LITTER BIN</td>
<td>790x315</td>
<td>15</td>
<td>ashtray 15 l, litter bin 12 l</td>
<td>19</td>
<td>stainless steel</td>
<td>2</td>
</tr>
</tbody>
</table>

**STANDARD COLOURS**

<table>
<thead>
<tr>
<th>Colour</th>
<th>RAL Code</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stainless steel</td>
<td>RAL 6005</td>
<td>Structure</td>
</tr>
<tr>
<td>Metallic black</td>
<td>RAL 9005</td>
<td>Structure</td>
</tr>
<tr>
<td>Metallic green</td>
<td>RAL 6009</td>
<td>Structure</td>
</tr>
<tr>
<td>Metallic red</td>
<td>RAL 9006</td>
<td>Structure</td>
</tr>
<tr>
<td>Metallic DB703</td>
<td></td>
<td>Structure</td>
</tr>
</tbody>
</table>

**KEY REFERENCES**

- Zurich Airport (Switzerland)
- Pluscity shopping center (Austria)
- Airports of Moscow (Russia)
- Gull petrol stations (New Zealand)
- Frankfurt am Main (Germany)
- City of St. Moritz (Switzerland)
### ELLIPSE

The shape of Ellipse represents the most innovative design in the FinBin® Litter Bin Series – and the most FinBin® fastening alternatives can be used! This award-winner was designed by Max Bruun.

The precisely measured shape and size of the aperture keeps the rain and birds out. The hinged door opens sideways, at the same time removing the top providing free access for maintenance.

Ellipse 60 and 100 can be equipped with a cigarette disposal unit. The ashtray is placed on top of the litter bin for easy access. The ash container is made in stainless steel and can be emptied by opening the front door and unhooking the container from its hook.

Solid and durable, Ellipse bins are supplied in stainless steel or powder coated galvannealed steel.

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Capacity</th>
<th>Aperture</th>
<th>Weight</th>
<th>Material</th>
<th>Material Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ellipse 60</strong></td>
<td>700<em>450</em>350 mm</td>
<td>liner 40 l</td>
<td>100*140 mm</td>
<td>25 kg</td>
<td>galvannealed steel and SST EN1.4301</td>
</tr>
<tr>
<td><strong>Ellipse 100</strong></td>
<td>960<em>450</em>350 mm</td>
<td>liner 56 l</td>
<td>100*140 mm</td>
<td>31 kg</td>
<td>galvannealed steel and SST EN1.4301</td>
</tr>
</tbody>
</table>

**STANDARD COLOURS**
- all RAL colours available

**KEY REFERENCES**
- Dubai Metro (United Arab Emirates)
- Manchester Metrolink (United Kingdom)
- City of Amsterdam (The Netherlands)
- City of Amiens (France)

**ORIGNAL DESIGN BY MAX BRUUN**

- Metallic black structure
- Stainless steel
FinBin City® Series was designed by Hannu Kähönen for the City of Helsinki, Finland. FinBin® Products brought its expertise to the project as a manufacturer of the litter bin products. The product planning was based on studies carried out on how to empty a litter bin easily, safely and efficiently. At the same time, special attention was paid to developing the product’s strength against vandalism and other mechanical stress.

The timeless design of the FinBin® City Series fits into any surrounding. Its numerous sizes, fastening options, as well as the wide selection of colours offer an abundance of opportunities to build a uniform look that can be repeated where necessary. Products are supplied in stainless steel or powder coated galvannealed steel.

The precisely measured shape and size of the aperture makes it easy to use and keeps the rain and birds out. The front door is hinged and locked. Inside, there is a galvanised steel liner that is easy and safe to empty.

An eye-catcher model City Castle is easy to approach and helps to keep the surroundings clean. The structure is both sophisticated and vandal proof.

All City Series litter bins except, City Castle can be equipped with an integrated ashtray or a side ashtray tube.
## FINBIN® FASTENING ALTERNATIVES

### METAL BASES

<table>
<thead>
<tr>
<th>Model</th>
<th>City 30</th>
<th>50</th>
<th>80</th>
<th>100</th>
<th>120</th>
<th>140</th>
<th>160</th>
<th>180</th>
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</thead>
<tbody>
<tr>
<td>Metal base</td>
<td>Metal base</td>
<td>Concrete</td>
<td>Concrete</td>
<td>Concrete</td>
<td>Concrete</td>
<td>Concrete</td>
<td>Concrete</td>
<td>Concrete</td>
</tr>
<tr>
<td>Measurements</td>
<td>Ø 280 x h. 127 mm</td>
<td>Ø 340 x h. 100 mm</td>
<td>Ø 365 x h. 100 mm</td>
<td>Ø 430 x h. 100 mm</td>
<td>Ø 190 x d. 26.6 mm</td>
<td>Ø 90/140 x h. 900 mm</td>
<td>Ø 60 x h. 1200 mm</td>
<td>Ø 60/450 x h. 900 mm</td>
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### CONCRETE BASES

<table>
<thead>
<tr>
<th>Model</th>
<th>City 30</th>
<th>50</th>
<th>80</th>
<th>100</th>
<th>120</th>
<th>140</th>
<th>160</th>
<th>200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete, SST cylinder</td>
<td>Concrete, SST cylinder</td>
<td>Concrete, SST cylinder</td>
<td>Concrete, SST cylinder</td>
<td>Concrete, SST cylinder</td>
<td>Concrete, SST cylinder</td>
<td>Concrete, SST cylinder</td>
<td>Concrete, SST cylinder</td>
<td>Concrete, SST cylinder</td>
</tr>
<tr>
<td>Measurements</td>
<td>Ø 280 x h. 127 mm</td>
<td>Ø 340 x h. 100 mm</td>
<td>Ø 365 x h. 82 mm</td>
<td>Ø 530 x h. 100 mm</td>
<td>Ø 190 x h. 63 mm</td>
<td>Ø 140 x h. 445 mm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### WALL FIXTURES

<table>
<thead>
<tr>
<th>Model</th>
<th>City 30</th>
<th>50</th>
<th>80</th>
<th>100</th>
<th>120</th>
<th>140</th>
<th>160</th>
<th>200</th>
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</thead>
<tbody>
<tr>
<td>Wall fixture</td>
<td>Wall fixture</td>
<td>Wall fixture</td>
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<td>Wall fixture</td>
<td>Wall fixture</td>
<td>Wall fixture</td>
<td>Wall fixture</td>
<td>Wall fixture</td>
</tr>
<tr>
<td>Measurements</td>
<td>Ø 60/280 x h. 63 mm</td>
<td>Ø 100 x h. 180 mm</td>
<td>Ø 100 x h. 180 mm</td>
<td>Ø 100 x h. 180 mm</td>
<td>Ø 100 x h. 180 mm</td>
<td>Ø 100 x h. 180 mm</td>
<td>Ø 100 x h. 180 mm</td>
<td>Ø 100 x h. 180 mm</td>
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### POSTS

<table>
<thead>
<tr>
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<th>City 30</th>
<th>50</th>
<th>80</th>
<th>100</th>
<th>120</th>
<th>140</th>
<th>160</th>
<th>200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hot bin ground post</td>
<td>Hot bin ground post</td>
<td>Hot bin ground post</td>
<td>Hot bin ground post</td>
<td>Hot bin ground post</td>
<td>Hot bin ground post</td>
<td>Hot bin ground post</td>
<td>Hot bin ground post</td>
<td>Hot bin ground post</td>
</tr>
<tr>
<td>Measurements</td>
<td>Ø 90/140 x h. 900 mm</td>
<td>Ø 60 x h. 1200 mm</td>
<td>Ø 60/450 x h. 900 mm</td>
<td>Ø 60 x h. 1200 mm</td>
<td>Ø 60/450 x h. 900 mm</td>
<td>Ø 60 x h. 1200 mm</td>
<td>Ø 60/450 x h. 900 mm</td>
<td>Ø 60 x h. 1200 mm</td>
</tr>
</tbody>
</table>

### CLAMPS

<table>
<thead>
<tr>
<th>Model</th>
<th>City 30</th>
<th>50</th>
<th>80</th>
<th>100</th>
<th>120</th>
<th>140</th>
<th>160</th>
<th>200</th>
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<tbody>
<tr>
<td>Clamps</td>
<td>Clamps</td>
<td>Clamps</td>
<td>Clamps</td>
<td>Clamps</td>
<td>Clamps</td>
<td>Clamps</td>
<td>Clamps</td>
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</tr>
<tr>
<td>Measurements</td>
<td>Ø 280 x h. 127 mm</td>
<td>Ø 340 x h. 100 mm</td>
<td>Ø 365 x h. 82 mm</td>
<td>Ø 530 x h. 100 mm</td>
<td>Ø 190 x h. 63 mm</td>
<td>Ø 140 x h. 445 mm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Notation

- *1 integrated metal base
- *2 h. 47”
- *3 h. 67”

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FINBIN® AROUND THE WORLD

Installations in 40 countries around the world, e.g. City of Bilbao (Spain), English Garden (Munich, Germany), Dubai Metro (United Arab Emirates), Manchester Metrolink (United Kingdom), Frankfurt am Main (Germany), City of Amsterdam (The Nederlands), City of Amiens (France), Zurich Airport (Switzerland), Gull petrol stations (New Zealand), Airports of Moscow (Russia)

INDOOR LITTER BINS & RECYCLING BINS
Bermuda is a perfect example of the FinBin® classic litter bin design.

This superior design is both functional and easy to use and is a perfect example of the FinBin® classic litter bin design.

The Bermuda series has been specially designed for passenger terminals, retail facilities and hotels. It can be customised into a recycling bin with coloured aperture rim stickers to accommodate for different types of waste. It integrates sophisticated design with high level safety, holding a self-extinguishing structure inside.

The Bermudas are made from stainless steel or powder coated galvanised steel. The exterior can be in stainless steel, metallic black or can be powder coated (RAL) to match existing outside environment.

The Bermuda bins have already been installed for example in dozens of international airports.
The timeless design of the Edge series is both simple and stylish and it fits into various surroundings. Edge can be found from modern environments, but also from classical places like museums. The flexible modular system offers a practical solution and a recycling station for any need. Standard colour options of the bins are the combination of stainless steel body and metallic black base and lid, or fully powder coated bin in metallic black colour. The metallic black powder coating is with a structured finishing. The Edge bin can be customized by different colours.

The Finbin® Edge is flexible, modular waste collection system. Edge bins are available with different recycling lids, and several bins in a row form a uniform recycling station. Waste signages on the lid are laser cut in stainless steel. Additional recycling labels are also available.

Standard colours are powder coated metallic black (both body and top), and stainless steel (EN 1.4016) body with metallic black top. Hinged lid and pivoted sack holder rim. Capacity of 100 L. Lid for general waste with self-extinguishing structure.

**EDGE**

**DIMENSIONS**

<table>
<thead>
<tr>
<th>EDGE</th>
<th>380<em>380</em>780 mm</th>
<th>100 l, Bag frame for 100-150 l refuse bag</th>
</tr>
</thead>
<tbody>
<tr>
<td>APERTURE</td>
<td>160*160 mm</td>
<td>15 kg, Powder coated galvanised steel and ss steel</td>
</tr>
<tr>
<td>MATERIAL</td>
<td>1,25 mm</td>
<td>Powder coated galvanised steel and ss steel</td>
</tr>
</tbody>
</table>

**STANDARD COLOURS**

- All RAL colours available
- Metallic black
- Stainless steel

All rights for changes reserved.
The Finbin® Wave series is a stylish recycling bin collection, which fits many surroundings: shopping malls, airports and terminals, fairgrounds etc. Wave series has been designed for the collection of different waste fractions in public premises. The bins can be equipped with customized labels to guide the recycling.

Wave series are open top bins, which can also be equipped with arched covers. The Wave is available in materials suitable for outdoor and indoor use. Standard colours are powder coated metallic black (both body and top) and stainless steel body with metallic black top.

The main lid is hinged, which allows easy access for maintenance. Bins are equipped with pivoted bag frames.

Wave was originally designed for passenger terminals. The design represents movement.

**WAVE**

<table>
<thead>
<tr>
<th></th>
<th>DIMENSIONS</th>
<th>CAPACITY</th>
<th>APERTURE</th>
<th>WEIGHT</th>
<th>MATERIAL</th>
<th>MATERIAL THICKNESS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WAVE</strong></td>
<td>510<em>390</em>780 mm</td>
<td>100 l, Bag frame for 100-150 l refuse bag</td>
<td>360*200 mm</td>
<td>21 kg</td>
<td>powder coated galvanized steel and stainless steel EN1.4016</td>
<td>2 mm / 1.25 mm</td>
</tr>
<tr>
<td><strong>WAVE DOUBLE</strong></td>
<td>900<em>410</em>780 mm</td>
<td>2*100 l, Bag frame for 100-150 l refuse bag</td>
<td>270*260 mm</td>
<td>30 kg</td>
<td>powder coated galvanized steel and stainless steel EN1.4016</td>
<td>2 mm / 1.25 mm</td>
</tr>
<tr>
<td><strong>WAVE TRIPLE</strong></td>
<td>1120<em>410</em>780 mm</td>
<td>3*100 l, Bag frame for 100-150 l refuse bag</td>
<td>240*260 mm</td>
<td>41 kg</td>
<td>powder coated galvanized steel and stainless steel EN1.4016</td>
<td>2 mm / 1.25 mm</td>
</tr>
</tbody>
</table>

**STANDARD COLOURS**
- All RAL colours available
- Stainless steel
- Metallic black structure

**KEY REFERENCES**
- Kansas City Airport (USA)
- Minneapolis Royal Golf Club (USA)
- Gallerian Shopping Center (Sweden)
FURNISHING YOUR ENVIRONMENT SINCE 1945.