



IDS





# IDS Drainage products, good for the local and work environment

The IDS drainage products are environmentally friendly, lightweight and easy to integrate. The drainage system is made from recycled plastic and calcium.

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The idea behind the drainage products is both simple and effective. Plastic waste and calcium are mixed in a controlled industrial process and then the plastic is injected into a mold to create a drainage belt with advantageous properties.

This system has been used for 20 years in, among others, England, where the producer is located. Here the producer states that so far 400,000 drainage belts have been supplied with a total "consumption" of 72,800,000 plastic bottles. Transport weight has been reduced by 21,600 tons and 11,215 tons of CO<sup>2</sup> have been saved for the environment.

## Recycling of plastic waste

The IDS products contain 70% to 88% recycled plastic, depending on the type of product. For example, approximately 182 plastic bottles with caps are incorporated into each drainage belt.



High productivity  
IDS curb and drainage  
tires are easy to  
handle. There is no  
need for machines!







## Minimum CO2 Emissions

**Every 1000m of installed drainage belt  
saves 25,568 kg CO2e**

### Low weight

- ⊙ No heavy handling
- ⊙ Better ergonomics
- ⊙ No lifting equipment required
- ⊙ Quick installation
- ⊙ Lower shipping costs
- ⊙ Reduced energy consumption

## 3 series & countless options

the IDS drainage products have been used abroad for several years. The factory has listened to the feedback and wishes of the executors, so that the product range contains numerous components. This provides various design options.

### Drainage belt

Thanks to the unique shape and the various components in the series, this drainage belt is easy to use for bends, roundabouts, parking lots, etc. Combinations with sand pits, infiltration crates and other systems are also easy to combine. The content of the unit consists for 77% of recycled plastic.

### Curbstones

The IDS curbs look like any traditional curbstones in both color and shape. Despite their low weight, they are incredibly strong and stable. This variant is commonly used for curbstones in residential areas, villa housing, residential centers etc. Significant time savings can be expected in connection with laying, as the low weight makes the stones incredibly manageable. Any adjustments are easy to make with a saw. The content of the unit consists 88% of recycled plastic.

### Line drainage

IDS line drainage is a monolithic linear drainage. It can be used in all surfaces and is very suitable as linear drainage on parking lots and other exposed surfaces. The line drainage can withstand a weight load equal to category 4 (EN1433-D400). The contents of the unit contain 70% recycled plastic.

**Request our special catalog and installation instructions from IDS-Group. We are happy to help our customers with calculations and general advice.**



# Drainage Kerb

The drainage kerb is a unique, fully molded drainage kerb, ideal for drainage and in combination with line drainage.

Thanks to its unique shape and material, the system is particularly suitable when the groundwater is high or when it is difficult to create a deeper sewer system.

Thanks to the continuous discharge of surface water, the service life is extended and the comfort and safety of the users is significantly increased. The drainage kerb is easy to clean with a purge system. To the delight of passing cars, cyclists and pedestrians who are not hindered in this way.



## Standard unit

Length: 500mm  
Width: 220mm  
Depth: 305mm

Cross section  
throughput area: 22,182 mm<sup>2</sup>  
Weight: 7 kg

Approved load: category 4  
(EN1433-D400)

## corner element

The outside corner element helps to create fully functional and beautifully landscaped parking spaces.

Length: 300x300 Mm width: 220 Mm  
Depth: 305mm  
Weight: 7kg

Approved Tax:  
Category 4 (EN1433-D400)

## Curve element

Roundabouts, road bends, etc. are built with the curve element.

Exterior Radius: 6/5 m - 10/7 m - 16/11 m

Length: 480mm  
Width: 220mm  
Depth: 305mm  
Weight: 7kg

Approved Tax:  
Category 4 (EN1433-D400)



There are many different components in the drainage kerb series which makes the system easy to use for curves, roundabouts, parking lots, etc. The construction combinations with sand pits and sewage systems are also easy to implement. This range also includes strong cast iron components with hinged covers designed for service and connections to sewerage, etc.

**Element contains 70% recycled plastic.**



## Easy to handle

Weighing only 7 kg per standard element, it is easy to handle. The elements are applied with sealant.

## Special items

IDS offers a complete range with a wide range of special elements for the practical challenges of modern road systems.

- ⊙ Connecting End Pieces
- ⊙ Crossings/Measurements
- ⊙ The viaduct
- ⊙ The Corner Element
- ⊙ The cast iron element for lateral connection to the sewer pipe (Ø162mm)
- ⊙ The sewage unit for connection to existing sewers

Ask for our technology department for advice for your projects. We are happy to use our expertise and years of experience free of charge to solve your drainage issues.



## Heavy load

The drainage belts have high strength (EN1433 – HD D400) and can withstand both impact and heavy load.



# Curbstones

The IDS curbstone looks like a traditional curbstone in both color and shape. Despite the low weight, they are incredibly strong and stable. This variant is usually used in residential areas, distribution centers, roads etc.

Significant time savings can be expected in advance with the IDS curbstones. The low weight of the band makes the stones very manageable and any adjustments are made easily with a saw. Practice shows that it is faster to set this belt than a traditional concrete belt. The productivity increase is due to the fact that all phases of the process can be performed faster due to the weight and ease of implementation. A standard unit of a 91.4 cm DuraKerb weighs 5.6 kg.



**Element contains 88% recycled plastic**



- ⊙ Up to 90% weight reduction
- ⊙ Up to 75% reduction in working time
- ⊙ Faster distribution along the road surface
- ⊙ Installation without lifting equipment
- ⊙ Easy and quick fitting with handsaw



**Many standard components**

- ⊙ Corners
- ⊙ Intersection Elements
- ⊙ Curved Elements
- ⊙ (radius 3 - 10 meters)
- ⊙ Different profiles and heights





# Line drainage

The line drainage is suitable as a linear surface drainage. They can be used in all surfaces and are very suitable as linear drainage in parking lots and carriageways. Where it is important to drain rain quickly and evenly.

The surface area is equipped with elongated openings with a width of 8 mm which provide a high hydraulic capacity while at the same time it is comfortable for pedestrians and cyclists. The line drainage is easy to install and is integrated as a robust element in the complete system. The basic elements made of recycled plastic can be combined with cleaning elements in cast iron, which simultaneously acts as a connection to the primary sewer system via 160 mm outlets. By using recycled plastic (instead of e.g. iron), this line drainage also ensures a non-flapping gutter, for which local residents are very grateful.



## Standard element with recycled plastic

Length: 500mm  
Width: 187mm  
Depth: 260mm  
Colour black

Cross section: 18,246 mm<sup>2</sup>  
Weight: 8 kg  
Approved load: Category 4 (EN1433-D400).

## Cast iron cleaning

Length: 250mm  
Width: 200mm  
Depth: 360mm  
Colour black

Cross section: 18,246 mm<sup>2</sup> Lateral discharge: 162 mm  
Weight: 18kg kg  
Approved Tax: category 4 (EN143-D400)

The range also includes end pieces without connections.



**227 recycled  
plastic bottles per unit!**





# We would love you as our customer!

Customers who work with us experience carefreeness. The feeling of "knowing it's going to be okay..."

We are always open for input and ideas from the customer. By making optimal use of the client's professional knowledge and experience in the implementation, together we arrive at the most optimal solution and build long-term relationships.

You will collaborate with a team of dedicated employees. We understand your daily challenges, know the products and will do everything we can to make your project a success.

Call us for advice, customized products and prices.

We wish you a nice day,

Mark Visschers and Erik van Garsel

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