



RDA RDB RDL

PRODUCT

EDGING ■ RECYCLED PLASTIC KERBS



Recycled Plastic Kerbs

■ Advantages

- No local concreting needed
- Quickly constructed
- Long-lasting
- Minimal weight
- Pieces numbered to correspond to plan
- Rapidly laid
- Varnished to RAL standard
- Polished
- Clad with stainless steel

... and no limits set on your imagination!

■ Product description

The RD product range of edge kerbs are manufactured from recycled plastic with a variety of finishes available



Technical data	Dim	RDA-25	RDB-12	RDL-12
Element length	[mm]	1150	1000	
Width	[mm]	300	400	190
Height	[mm]	250	120	120
Mass	[kg]	11,00	11,30	6,1
Outside corner (L x W x H)	[mm]	300x300x250	-	1150 x 190 x 120
Inside corner (L x W x H)	[mm]	600x600x250	-	1150 x 190 x 120
Colour		Black (anthracite)	Black (anthracite)	Black (anthracite)
Material		Recycled PS	Recycled PS	Recycled PS
Outside surface		Rhombus pattern	Rhombus pattern	Rhombus pattern
Frost resistance		Yes	Yes	Yes

Distributor

...Green Up the Roof!

www.diademroof.com

Project Description

November 2010

...Green Up the Roof!



Green oasis on the third floor

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Green Oasis on the third floor

Mr Rosner stood helplessly together with his wife on the terrace of their jointly chosen new penthouse-style flat in the center of Ingolstadt, Germany. The terrace and the apartment lacked everything which he was previously used to and loved. As a man born in the countryside he has always loved to be in close proximity with nature. However, being appointed as director of a large textile company, he felt it was of prime importance to move as close as possible to his new workplace. This is how he came to be living on the top floor flat of the downtown three story building.

■ The interior design of the new home did not cause any particular problem. Following the interior designer's advice and their own taste, preference was given to the modern, minimalist style. Selecting the finest quality products, the design of the interior was soon realised.

□ However, the redesign of the terrace which had a finish consisting of concrete slabs and river pebble was much more problematic. Mr. Rosner wanted to maintain the function of a traditional terrace but wanted something that satisfied his desire to recreate something close to the country feel he was used to.

□ Mr. Rosner, his architect and the interior designer came up with a design for an outdoor winter garden that so melded with the flat that even when viewed from the inside one had the sense of being very close to nature.

□ After the removal of the old concrete slabs a root barrier layer was laid over the waterproofing. The next step was laying the protection fleece over the root resistant membrane, thereby protecting both the root barrier and the waterproofing from the wear and tear involved in on-site jobs. Upon the protection fleece comes the „heart“ of the green roof, the 60 mm drainage and reservoir board, which is recommended for roof gardens with thicker layers of substrate. The main functions of the

drainage board are the retention of adequate water for the green roof plants whilst allowing the channeling of excess water and supplying the root zone with oxygen through diffusion perforations. A filter fleece layer was then placed over the drainage board to help prevent the passing of small particles from the substrate into the drainage board.

□ Retention of a half meter deep substrate mix during the installation was one of the issues that had to be overcome. The building engineer's proposal to use kerbing elements made of high quality recycled plastic offered not only a practical and attractive solution but also an ecologically sound solution. These Kerbs did not exert any significant additional load on the building's structure, keeping the construction within the strict Planning and Urban Design Standards in the location. The edge kerbing of Mr Rosner's roof garden is covered with the same grey colour standing seam metal as the facade, however the kerbing elements can be rendered, assigned any colour or can be clad in any material. Lights were built into the kerbing elements adding additional functionality and helping to create an extraordinary ambience on the roof terrace.

□ Finally a railing system was installed on the terrace. The clever design utilising the weight of the roof garden

FEATURE ARTICLE

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to provide ballast meant that the waterproofing layers integrity was not jeopardised by the need for fixing to the concrete base structure.

□ The finished terrace speaks for itself. Mr Rosner's concept and desire for a green living space has been fully realised. From year to year, the plants develop freely in the open space designed for them without the constraints associated with simple plant pots and containers. And it is not just Mr Rosner's living conditions that have been improved; the wider environment also benefits as result of the biodiversity created, the cleaner air with pollutants being absorbed and the contribution to the reduction of urban heat sink effect to mention just a few. Even the neighbour below is grateful for the option chosen as it has significantly reduced the summer temperatures in their flat.



Mr Rosner already knows that the proximity of nature contributes to our well being and this can be achieved on a few tens of square meters. Should you wish to discuss this article, have any queries or require additional information please contact us. ■



1. Maximising living space: The application of large plastic plant containers in an attempt to increase living area on the balcony.
2. Ecological awareness: Using DIADEM recycled edge sections reflects eco-consciousness.
3. Aesthetic sections: DIADEM recycled edge kerbs provide a harmonic border between man-made composite decking and natural plants.
4. Bathing in nature: Getting your city bath closer to nature than ever.
5. Take a stroll: You may enjoy a tranquillising walk on the green roof over the path formed of flagstones.

...Green Up the Roof!

