

## SOIL RETENTION PRODUCTS



### Verdura® 10

Lightweight (22 lb) block available through our distributors. Rails on block are set back to allow for a butted up 3' radius. Applications include edging, planter beds, and small retaining walls.

### Verdura® 30

Heavier (65 lb) block available through our distributors. Standard designs accommodate walls up to 8' high using Posi-Dura® Reinforcement where required. Walls up to 22' can be engineered.

### Verdura® 40

Commercial (82 lb) block with a wall inclination of .25:1 used for walls up to 60' high, and tested for high velocity stream-bank use.

### Verdura® 50

Commercial (119 lb) block with a wall inclination of .36:1 used for walls up to 60' high. This block is typically used in combination with the Verdura® 30 for high walls. Being a deeper block, Verdura® 50, can also be inclined at a flatter angle than Verdura® 30.

### Verdura® 60

Commercial (132 lb) block with a wall inclination of .25:1 used for walls up to 60' high. This block is typically used in combination with the Verdura® 40 for high walls. Being a deeper block, Verdura® 60, can also be inclined at a flatter angle than Verdura® 40.

### Verdura® 60W

Commercial (132 lb) block with a wall inclination of .25:1 used for walls up to 60' high, and tested for high velocity stream-bank use. Since the block is intended to be butted up in high velocity flows, the rails are set back to allow for a convex curve. The Verdura® 40 block is typically used in the freeboard where full plantability is required.

### Candura® 35

80 lb block available through our distributors that allows for a steeper inclination and optional plantability. Candura® is the only modular retaining wall block with an exposed aggregate finish. The Candura® wall system also includes a corner block, cap stone, and stakes that allow for proper compaction.



### Enviroflex®

**Enviroflex® Class 40** - Nominal 4 inch thick (111 lb) articulated concrete scour protection blocks. Nine 4" diameter holes allow for water infiltration and plantability. Fiber reinforcement in the concrete allows for some traffic loading, and added protection from debris in channel and riverine environments. The One-Mat® Pins are used to connect each side of the block in comparison to typical cabling methods.

**Enviroflex® Class 60** - Nominal 6 inch thick (161.5 lb) block allowing for heavier hydraulic forces than the Class 40 block.

### Drivable Grass®

2'x2' flexible, plantable, and porous pavement system. A reinforcement in the mat allows the individual "muffins" to be held together - while allowing for cracks in predefined linear grooves. 1" holes at the 4 corners of the muffins allow for further root penetration and permeability.

### Posi-Dura® Pipe

Pre-cut lengths of 1-inch diameter schedule 80 pvc pipe used to connect the Verdura® and Candura® blocks to the Posi-Dura® fabric soil reinforcement.

### Posi-Dura® Fabric

Nominal 7 inch wide strips of high strength geosynthetic soil reinforcement fabric having integrally woven pockets at regular intervals which can be used with the Posi-Dura® Pipe to construct a positive mechanical connection with Verdura® and Candura® blocks.

All products protected by US and International Patents and Trademarks

[www.soilretention.com](http://www.soilretention.com)



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**SOIL RETENTION**  
Manufacturing • Distribution • Design • Installation

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## Plantable concrete systems®



### DRIVABLE GRASS®

Permeable, Flexible, and Plantable Pavement for Firelanes, Access Roads, Driveways, Parking Lots, Bio-Swales/Ditches, and various post construction BMP's.



### VERDURA®

Fully Plantable Retaining Walls, Sound/Screen Walls, and Streambank Protection including Levees.



### CANDURA®

Near Vertical Retaining Walls with Optional Plantability, Seatwall & Monument Options.



### ENVIROFLEX®

Permeable and Plantable Scour Protection for Channels, Culvert Outlets, and Wetland Traffic Crossings.



**SOIL RETENTION**

Manufacturing • Distribution • Design • Installation

## Soil Retention THE HISTORY

The company started in 1987 with a license to distribute Loffelstein block throughout Southern California, Arizona and Southern Nevada. The initial company name was Loffel Retaining Walls, Inc. After a brief experience with outsourcing the manufacturing of blocks, the first manufacturing plant was founded in the Southern California community of Perris. It consisted of a block machine installed under a canopy situated in a desert field. Construction equipment was rented and installation crews were inexperienced. Dedicated and talented construction crews were quickly formed, manufacturing equipment was refined and a business was developed.

Business mainly developed from customers that recognized owner Jan Erik Jansson's integrity as a businessman, liked the look of the elliptically shaped retaining wall face, appreciated the companies ability to complete projects on-time, understood the advantages and aesthetics of a plantable wall system and tolerated Jansson's difficulties with the English language. Success was imminent!

Recognizing ways to improve upon the Loffelstein product, Jansson repeatedly modified it to more effectively fit various market segments. The evolved and improved products were patented and trademarked as Verdura® ("Verde" for green and "Dura" for Durable) products. Continuing to manufacture and market both Verdura® and Loffelstein, the company name was changed in 1993 to Soil Retention Systems, Inc. The new name more accurately reflects its business direction. Several new products have been brought to the marketplace within the last few years.



## Soil Retention FAMILY OF COMPANIES

Today, the multifaceted organization consists of Soil Retention Systems, Inc. as the construction and installation entity, Soil Retention Products, Inc. as the manufacturing and licensing arm, Soil Retention Designs, Inc. as the engineering and design element, and Toy Rentals, Inc. which owns and rents manufacturing, transportation, and installation equipment.

The corporate office provides a base from which Soil Retention can educate potential and existing customers through seminars and full size product displays. The corporate office is complete with private, secured parking areas, conference facilities, bar-b-que/patio area as well as a state of the art kitchen facility.

With intent on employee involvement, the facility has been developed as a place where employees can enjoy a positive and professional environment in which to work and socialize as well as a location that has room for expansion. The company takes an active role in the community by hosting professional and community events.

## Soil Retention PRODUCTS

Soil Retention Products, Inc. (SRP) provides the manufacturing and associated functions for the Soil Retention family of companies. The Plant is situated on a 10 acre site adjacent to the I-215/74 interchange in Romoland (Riverside County), CA. It consists of a 45,000 ft<sup>2</sup> facility housing 5 block machines, curing area, quality control department, research and development lab, equipment production/maintenance shop and yard area where product reserves are maintained at high levels to serve customer needs on short notice.

Products manufactured by Soil Retention Products, Inc. are distributed via sales networks appropriate to the products being marketed. SRP employees involved in the marketing process include direct employees as well as manufacturer's representatives located strategically within the marketing territory. Marketing is conducted via a wide variety of advertising methods to a diverse target market audience which includes general contractors, homeowners, design professionals, regulatory agencies, distribution outlets, local and national developers, and anyone that may use or affect the use of Soil Retention products.

Products manufactured at the facility include the full range of Verdura® fully plantable retaining wall products, Enviroflex® articulating concrete block (ACB) erosion control mattresses, Candura® retaining wall, and Drivable Grass® a permeable, flexible and plantable concrete pavement system.

## Soil Retention SYSTEMS

Providing installation services for the products that SRP manufactures is Soil Retention Systems, Inc. (SRS). A premier Southern California construction company, SRS is dedicated to contracting/installation excellence and has developed a reputation for its commitment to providing fast, efficient, and safe construction services. Having highly trained crews with long SRS employment careers and unique, automated, production efficient equipment designed to facilitate efficient installation of SRP products, SRS crews are well equipped and very professional.

Soil Retention Systems, Inc. has provided construction services for some of the areas largest and most prestigious clients. Understanding that quality in construction provided in a timely and committed manner, major area developers have come to rely on Soil Retention Systems, Inc. to coordinate with the site grading operations to deliver finished products on time and within budget.

Soil Retention Systems, Inc. has now been in business for over 20 years, and has installed over 7 million square feet without a failure.

## Soil Retention DESIGNS

Soil Retention Designs, Inc. (SRD) provides design and technical services for the Building Industry. Specializing in reinforced soil structures. SRD also provides technical assistance for our Verdura® Wall software to other design professionals.

## Toy Rentals

Toy Rentals, Inc. provides manufacturing, transportation, specialty devices, and construction equipment for the family of Soil Retention companies including licensees.

