TECHNICAL DATA SHEET

Henry Drain Board

Prefabricated Drainage Composite

Description

	Henry DB 200 & DB 220	Henry DB 200S	Henry DB 350HN	Henry DB 500 &DB 520	Henry DB 650HN	Henry DB 650N
Fabric Properties						
-Grab Tensile Strength	100 lbs	100 lbs	205 lbs	100 lbs	205 lbs	100 lbs
-CBR Puncture	275 lbs	275 lbs	600 lbs	275 lbs	600 lbs	275 lbs
-Grab Elongation	65%	65%	70 %	65%	70%	65%
-AOS	70 sieve	70 sieve	80 sieve	70 sieve	80 sieve	70 sieve
-Flow Rate	165 gpm/ft^2	165 gpm/ft^2	100 gpm/ft^2	165 gpm/ft^2	100 gpm/ft^2	165 gpm/ft^2
Core Properties						
-Material	Polystyrene	Polystyrene	Polystyrene	Polystyrene	Polystyrene	Polystyrene
-Thickness	0.25 inch	0.25 inch	0.25 inch	0.44 inch	0.44 inch	0.44 inch
-Compressive Strength	11,000 lbs/ft^2	30,000 lbs/ft^2	30,000 lbs/ft^2	15,000 lbs/ft^2	18,000 lbs/ft^2	18,000 lbs/ft^2
Product Properties						
-Flow Rate	12.5 gpm/ft*	13 gpm/ft*	13 gpm/ft*	17 gpm/ft*	21 gpm/ft*	21 gpm/ft*
-Recycled Content	71%	79%	>65	74%	>65	78%
-Roll Length	50 ft	50 ft	50 ft	50 ft	50 ft	50 ft
-Roll Width	4 ft	4 ft	4 ft	4 ft	4 ft	4 ft
-Roll Weight	29lbs	45lbs	49lbs	39lbs	53lbs	47lbs

*The Flow Rate published is for a hydraulic gradient of 1.0, which is typical for a vertical orientation. For the anticipated Flow Rate for horizontal applications, typically a hydraulic gradient of 0.1, contact Henry Technical Support.

Description

Henry Drain Board (DB) products consist of multiple components designed to enhance the performance of Henry protected membrane roofing and waterproofing systems. **Henry Drain Board** consists of a polystyrene or PVC core combined with a polypropylene fabric. Polymeric films attached to the **Henry Drain Board** provide additional protection for softer waterproofing systems.

Features

- Integral part of a high performance Henry protected membrane roofing or waterproofing system
- Low installed cost compared to other drainage systems such as aggregates
- Easy to handle and install
- Strong and durable with very high compressive strength and tear resistance
- Chemically resistant
- High flow capacity

Preparation

Ensure that the primary waterproofing system has been installed and inspected prior to covering with **Henry DB**. Flood tests may also need to be complete prior to the application of the **Henry DB**. When used as a protection board, ensure that work progresses from sheet to sheet to avoid damage to the waterproofing membrane.

Henry Drain Board is used as a component of a Henry high performance protected membrane roofing assembly or waterproofing assembly in both horizontal and vertical applications. The **Henry Drain Board** enhances the performance of the watertight layer by directing water quickly and safely to a drain and drain system. Used in protected membrane roofing applications, retaining walls, plaza deck waterproofing, parking structures, roof gardens and planters, foundation walls and other areas where a high performance system is desired.

Henry DB 200 – Designed for vertical and horizontal installations at shallower depths where moderate compressive strength is adequate.

Henry DB 220 – Designed for vertical and horizontal installations at shallower depths where moderate compressive strength is adequate. Polymeric films attached to membrane (back) side provide additional protection for softer waterproofing systems.
Henry DB 200S – Designed for vertical and horizontal installations requiring a high compressive strength and moderate flow capacity.
Henry DB 350HN – Designed for horizontal applications requiring high compressive strength, moderate flow capacity, and the strength and filtration properties of a non-woven geotextile. Suitable for use under topping slab in split slab applications.
Henry DB 500 – Designed primarily for vertical installations requiring high compressive strength and where high flow capacity is needed. Use is suitable for selected horizontal applications.
Henry DB 520 – Designed primarily for vertical installations requiring high compressive strength and where high flow capacity is needed. Use is suitable for selected horizontal applications. Polymeric film attached to membrane (back) side provides additional protection for softer waterproofing systems.
Henry DB 650HN – Designed primarily for horizontal applications requiring high flow capacity, high compressive strength and the strength and filtration properties of a non-woven geotextile. Suitable for use under topping slab in split slab applications.
Henry DB 650N – Designed for horizontal applications requiring high flow capacity, high compressive strength and the strength and filtration properties of a non-woven geotextile.

Application

Attach Henry Drain Board to vertical surfaces using Henry cold applied adhesives, Blueskin® PreSeal™ Tape 50S, and nails driven through washers, or other approved method.

Vertical Application: Start at the top or bottom of the wall. Rolls may be applied horizontally or vertically. When installed horizontally, the edge of the core with the flange should be at the top. When installed vertically, the flange should be at the upstream edge. This flange position minimizes the seepage of water behind the drain similar to the way roof shingles work.

Horizontal Application: The edge of the core with the flange should be at the higher edges of the substrate, away from the drains.

Overlaps: Pull back loose fabric to expose drain core. Position core of second panel over the overlap flange of first panel. Overlap in direction of water flow. Tuck fabric behind core at all outside edges.

Corners: Bend drain to make inside corners. For outside corners, cut **Henry DB** to reach corner and provide 3" or extra fabric to wrap around corner. Attach drain to wall and overlap fabric at joint.

Backfilling: Soil should be placed and compacted directly against the drain.

Limited Warranty

Contact Warranty Department at www.henry.com/warranty or location shown below for product or systems warranty information.

Statement of Responsibility

The technical and application information herein is based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use. Henry Company data sheets are updated on a regular basis; it is the user's responsibility to obtain and to confirm the most recent version. Information contained in this data sheet may change without notice.

For more information, visit www.henry.com or for technical assistance call us at 800-486-1278. For more information on Henry's® product warranty and liability disclaimer please visit www.henry.com/warranty. Refer to the Safety Data Sheet prior to using this product. The Safety Data Sheet is available at www.henry.com or by emailing Henry® Product Support at productsupport@henry.com or by calling 800-486-1278.

The technical and application information herein is based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use. Henry® Company data sheets are updated on a regular basis; it is the user's responsibility to obtain and to confirm the most recent version. Information contained in this data sheet may change without notice.