TECHNICAL DATA SHEET

Bakor DB

Prefabricated Drainage Composites

Physical Properties

	Test Method	Bakor DB 2000	Bakor DB 6000	Bakor DB 6200	Bakor DB 9000
Fabric Properties					
-Grab Tensile	ASTM D-4632	512 N	0.44 KN	0.44 KN	1.62 KN
–CBR Puncture	ASTM D-6241	1.41KN	1.41KN	1.41KN	3.22KN
-Elongation	ASTM D-4632	70%	70%	70%	15%
-AOS	ASTM D-4751	0.21 mm	0.21 mm	0.21 mm	0.35 mm
-Flow Rate	ASTM D-4491	6113L/min/m^2	6113L/min/m^2	6113L/min/m^2	6520L/min/m^2
-Material		Non-woven polypropylene	Non-woven polypropylene	Non-woven polypropylene	Woven polypropylene
Core Properties					
-Material		Polypropylene	Polypropylene	Polypropylene	Polypropylene
-Thickness	ASTM D-1777	10 mm	10 mm	10 mm	10 mm
-Compressive Strength	ASTM D-1621	527 kN/m^2 (11,000 psf)	718 kN/m^2 (15,000 psf)	718 kN/m^2 (15,000 psf)	862 kN/m^2 (18,000 psf)
Product Properties					
-Water Flow Rate	ASTM D-4716	224L/min/m	224L/min/m	224L/min/m	261L/min/m
-Roll Length		15.25 m (50 ft)	15.25 m (50 ft)	15.25 m (50 ft)	15.25 m (50 ft)
-Roll Width		1.83 m (6 ft)	1.83 m (6 ft)	1.83 m (6 ft)	1.83 m (6 ft)
-Roll Weight		22 kg (48 lbs)	27 kg (59 lbs)	27 kg (60 lbs)	33 kg (73 lbs)

Description

Bakor DB products consist of multiple components designed to enhance the performance of Bakor waterproofing systems and protected membrane roofing. **Bakor DB** consists of a polypropylene core combined with a filter fabric.

- **DB 2000** is a three-dimensional polymeric core drain board with a non-woven geotextile fabric fully bonded to the top dimples of the core.
- **DB 6000** is a high strength three-dimensional polymeric core drain board with a non-woven geotextile fabric fully bonded to the top dimples of the core.
- **DB 6200** is a high strength three-dimensional polymeric core drain board with a non-woven geotextile fabric fully bonded to the top dimples of the core and a protection sheet adhered to the back side of the drain board to help prevent die cutting of the waterproofing membranes.
- **DB 9000** is a three-dimensional polymeric core drain board with a tough woven monofilament fabric.

Features

- Integral part of a high performance **Bakor** waterproofing system or protected membrane roofing 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 **Bakor DB**. Flood tests may also need to be completed prior to the application of the **Bakor DB**. When used as a protection board, ensure that work progresses from sheet to sheet to avoid damage to the waterproofing membrane.

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Bakor DB Prefabricated Drainage Composites

Uses

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

Bakor DB 2000: Designed for vertical installations at shallower depths where moderate compressive strength is adequate.

Bakor DB 6000: Designed for vertical and horizontal installations requiring a high compressive strength and moderate flow capacity.

Bakor DB 6200: Designed for horizontal and vertical applications requiring high compressive strength, moderate flow capacity.
A protective layer on its backside makes is ideally suited for use over liquid applied membranes.

Bakor DB 9000: Designed for demanding horizontal applications in plaza deck, split slab and horizontal flatwork and pavement construction.

Limitations

Do not leave **Bakor DB** exposed to direct sunlight for prolonged periods. Temporary ballast should be used in windy conditions to temporarily hold the **Bakor DB** panels in place.

Application

Place **Bakor DB** with fabric side up in the case of horizontal applications and outwards for vertical applications. Attach to vertical surfaces using **Bakor 230-21 Rigid Insulation Adhesive**, two-sided tape, mechanical fastening with nails and washers, or other approved method. Permanent fixing is achieved once the backfilling operation is complete.

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. The bottom of the panel should be placed behind the discharge drainage pipe.

Horizontal Application: Start installation at the lowest point to ensure positive drainage. 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 and adhere the overlapped fabric with adhesive or duct tape if necessary to prevent soils and/or concrete from entering the drainage layer during construction. Tuck fabric behind core at all outside edges.

Corners: Bend drain to make inside corners. For outside corners, cut **Bakor DB** to reach corner and provide 4" or 100mm (4") of 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. Backfill a soon as possible and avoid damaging **Bakor DB** during backfilling operation.

Limited Warranty

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

Statement of Responsibility