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a.b.e.® Construction Chemicals

bidim® flashpack®

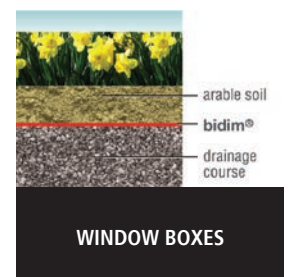
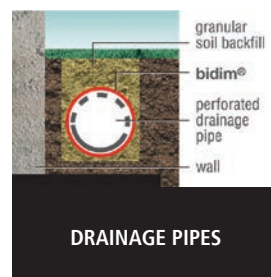
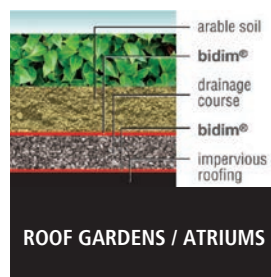
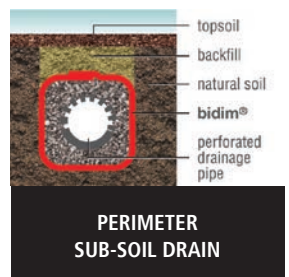
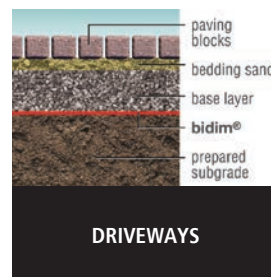
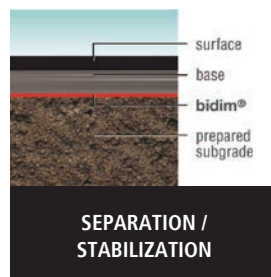
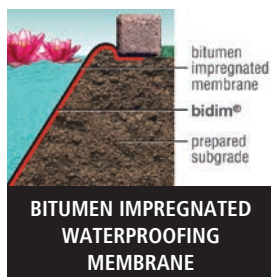
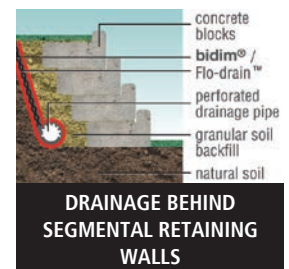
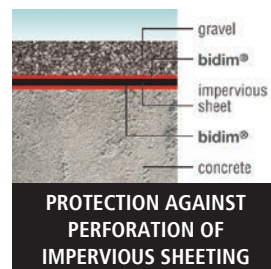
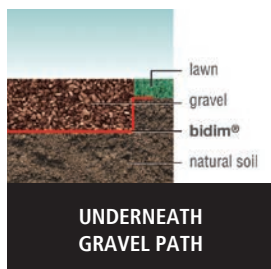
NON-WOVEN, CONTINUOUS FILAMENT, NEEDLE-PUNCHED, POLYESTER GEOTEXTILE

USES

- Drainage behind retaining walls.
- Filtration in subsoil drains.
- Separation of aggregate on driveways, paths and storage areas.
- Protection of plastic waterproof membranes in garden or structural applications.
- As a waterproofing membrane when saturated with bitumen.
- Filter under riprap retaining river banks.
- Roof gardens/Atriums.
- Window boxes.
- Drainage pipe.
- Underground waste disposal and soak away.
- Perimeter subsoil drain.
- Stabilization of the sub grade.

ADVANTAGES

- High strength.
- High conformability.
- **Paving:** ensures correct drainage and prevents risk of subsidence.
- **Garden paths:** prevents the natural soil from mixing with the sand or gravel and reduces maintenance.
- **Subsoil drains:** envelops the drain trench and improves the efficiency of the drain by holding back the fine particles of soil.
- **Roof gardens & window boxes:** separates the drainage course from the topsoil and prevents particles entering the outlet system.



COLOUR

Grey

			A1	A2	A3	A4	A5	A6	A7	A8	A10	
MECHANICAL PROPERTIES												
Thickness	Under 2 kPa	mm	1.2	1.4	1.6	1.8	2.6	3.1	4.4	5.2	6.4	SANS 9863-1 / ISO 9863-1
Tensile Strength (200mm wide strip)	Weaker Direction	Typical kN/m	7.8	9.0	11.5	14.0	19.5	26.0	40.0	50.0	56.0	*SANS 1525 / ISO 10319
		MARV kN/m	7.0	8.1	10.3	12.6	17.2	22.2	35.0	46.0	50.0	
	Elongation	%	50 – 70									
Static Puncture Strength	CBR	Typical kN	1.5	1.9	2.2	2.7	3.6	4.8	7.1	9.5	11.7	*SANS 12236 / ISO 12236
		MARV kN	1.3	1.7	2.0	2.5	3.4	4.3	6.5	9.0	11.0	
Puncture Resistance	Diameter of hole (max)	mm	30	27	25	19	16	13	8	6	3	SANS 13433 / ISO 13433
Trapezoidal Tear Strength	Weaker Direction	Typical N	240	320	375	440	600	800	1200	1600	2100	ASTM D4533
		MARV N	205	245	330	375	500	650	1050	1330	1950	
Grab Strength	Weaker Direction	Typical N										ASTM D4632
		MARV N										
	Elongation	%	50 - 80									
HYDRAULIC PROPERTIES												
Normal Throughflow	@ 50mm head	l/s/m²	200	150	125	100	80	70	45	30	20	SANS 11058 / ISO 11058
Flow Velocity	Calculation based on throughflow & thickness	m/s	0.200	0.150	0.130	0.100	0.080	0.070	0.045	0.030	0.020	
Permeability		x ¹⁰⁻³ m/s	4.8	4.2	4.0	3.6	4.2	4.3	4.0	3.1	2.6	
In-plane Throughflow	20 kPa load i = 1.0	l/hr (per m width)	20	30	35	40	50	58	80	90	110	ISO 12958
Pore Size	O _{95 W}	µm	200	170	155	138	132	130	114	< 75	< 75	SANS 12956 / ISO 12956
ROLL DIMENSIONS												
Width	Standard	m	1.32, 1.76, 2.65, 3.53 & 5.3					2.65 & 5.3				
Length	Standard	m	150	150	150	150	150	75	75	50	50	

The above values include both Typical and Minimum Average Roll Values (MARV) and are determined from the specified tests carried out by an accredited laboratory.

SURFACE PREPARATION

bidim® is a rugged material and can be placed upon most soil or stone surfaces around the home within reason.

BONDING/PRIMING

No priming required unless specified otherwise (dependent on the **a.b.e.**® product it gets used with ie. when waterproofing.)

APPLICATION

For separation/stabilization, place the **bidim**® onto prepared subgrade, overlapping the ends by 100 mm where necessary. Place the base on top of the **bidim**®.

PACKAGING

bidim® U14 rolls are also available in 1.32 m, 1.76 m and 2.65 m wide.

HANDLING & STORAGE

Store under cover until used.

HEALTH & SAFETY

Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. The safety data sheet is available from your local **a.b.e.**® Construction Chemicals branch.

IMPORTANT NOTE

This data sheet is issued as a guide to the use of the product(s) concerned. Whilst **a.b.e.**® Construction Chemicals endeavors to ensure that any advice, recommendation, specification or information is accurate and correct, the company cannot - because **a.b.e.**® has no direct or continuous control over where and how **a.b.e.**® products are applied - accept any liability either directly or indirectly arising from the use of a **a.b.e.**® products, whether or not in accordance with any advice, specification, recommendation, or information given by the company.

FURTHER INFORMATION

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements.

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a.b.e.® is an ISO 9001:2015 registered company
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a.b.e.® Construction Chemicals (Pty) Ltd
is a CHRYSO Group Company

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