

# SAINT-GOBAIN CONSTRUCTION PRODUCTS SA (PTY) LTD

## BOQ



Item No	Description	Quantity	Rate	Amount
	<p><u>BILL NO. [ ]</u></p> <p><u>PRELIMINARIES</u></p>			
	<p>Bill No. 1 PRELIMINARIES</p>		<p>Carried to Summary</p>	<p>R</p> <p>Included</p>

Item No	Description	Quantity	Rate	Amount
	<p><b><u>BILL NO. [ ]</u></b></p> <p><b><u>a.b.e.® WATERPROOFING</u></b></p> <p><u>NOTE:</u> Tenderers are advised to study the Model Preambles for Trades before pricing this Bill</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p>All products to be applied according to a.b.e.® instructions - all relevant data sheets to be read for mixing instructions, pot life, overcoating times etc.</p> <p><b><u>WATERPROOFING TO ROOFS, BASEMENTS, RETAINING WALLS, ETC</u></b></p> <ol style="list-style-type: none"> <li>1. Waterproofing of roofs, basements, etc. shall be laid under a ten year guarantee by specialist applicators. Waterproofing to roofs shall be laid to even falls to outlets, etc. with necessary ridges, hips, gussets and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs.</li> <li>2. The contractor shall note that all propriety products must be applied in strict accordance with the Manufacturer's instructions, and shall allow for this in pricing.</li> <li>3. Screeded roof surfaces shall be firm, dry and clean. Corners shall be coved or aris rounded. All surfaces to receive "abedex® unigum" are to be fully primed with "abe® bitu.prime", solvent based bitumen primer.</li> <li>4. Timber boarded roof surfaces shall be dry, clean and even. All internal angles are to receive a timber traingular fillet. Corners and edges shall be aris rounded. A slip sheet of "abe® 3ply malthoid", shall be clout nailed to the timber deck prior to application of "abedex® unigum", torch-on membrane.</li> </ol> <p><b><u>DAMPPROOFING OF WALLS AND FLOORS</u></b></p> <p style="text-align: right;"><b>Carried to Collection</b></p> <p>Bill No. 2 a.b.e. WATERPROOFING</p>		R	<b>Included</b>

Item No	Description	Quantity	Rate	Amount
	<u>"abe® brixéal" - bitumen emulsion waterproof coating</u>			
	Two coats "abe® brixéal" bitumen emulsion waterproof coating.			
1	On inner face of brick walls in linings to concrete.	m2		Included
2	On outer face of the inner brick wall in linings in external double or hollow brick walls.	m2		Included
3	On bagged brick walls incorporating abe® Dura.latex bonding agent (as per manufacturers instructions).	m2		Included
	<u>"abe® Flintkote 3" - bitumen emulsion waterproof coating</u>			
	Two coats "abe® Flintkote 3 " bitumen emulsion waterproof coating			
4	On inner face of brick walls in linings to concrete.	m2		Included
5	On outer face of the inner brick wall in linings in external double or hollow brick walls.	m2		Included
6	On bagged brick walls incorporating abe® Dura.latex bonding agent (as per manufacturers instructions).	m2		Included
	<u>"abe® dura.sil SH" - silane/siloxane treatment for exterior face brick walls</u>			
	"abe® dura.sil SH" - silane/siloxane applied in 2 flood coats to exterior face brick walls at a rate of 5m <sup>2</sup> /lt/coat.			
7	On outer face of face brick walls.	m2		Included
8	On concrete.	m2		Included
	<u>"abe® duralatex" - Cement plaster waterproofing additive</u>			
	"abe® Dura.latex" Cement plaster waterproofing bonding additive applied at a rate of +-2.25lt/m <sup>2</sup> @ 20mm thick onto the 'prepared primed substrate' (1:5 cement:sand) plaster, steel troweled on brickwork or concrete (as per engineers recommendations);			
9	20mm Thick on walls.	m2		Included
	<b>Carried to Collection</b>		R	Included
	Bill No. 2 a.b.e. WATERPROOFING			

Item No	Description	Quantity	Rate	Amount
	<u>"abe® dura.latex" - Cement topping waterproofing additive</u>  "abe® Dura.latex" Cement Topping bonding additive applied at a rate of +-2.5lt/m <sup>2</sup> @ 30mm thick onto the 'prepared primed substrate' (1:3 cement:fine grit), steel troweled (as per engineers recommendations);			
10	30mm thick on Floors	m2		Included
11	All screeds to falls as specified by the engineer/architect but must be a minimum of 1:80 leading to outlets.	m3		Included
	<b><u>FLAT ROOFS AND PARAPET WALLS</u></b>			
	<u>"abedex® Unigum" - 4mm Torchon waterproofing system</u>  "abedex® Unigum" single layer 4mm dual torchon waterproofing system applied by 'torchfusion', fully bonded to primed surface, with 100mm side laps and 150mm end laps, including Bitu.prime primer, flashings, gussets, etc., to receive paint or other protection (elsewhere):			
12	All screeds to falls as specified by the engineer/architect but must be a minimum of 1:80 leading to outlets.	m3		Included
13	Mortar fillets or coves to be provided.	m3		Included
14	Apply a 300mm gusset using abedex® Unigum 4mm applied by heat fusion, fully bonded to primed surface.	m		Included
15	On flat roofs.	m2		Included
16	On Parapet walls.	m2		Included
17	Apply Super Laykold bandage saturated with 200mm abe membrane for flashings, to receive Silvakote (measured elsewhere);	m		Included
18	Apply Super Laycryl bandage saturated with 200mm abe® membrane for flashings.	m		Included
19	Apply abe Duraflex® bandage saturated with 200mm ecofelt membrane for flashings.	m		Included
	<b>Carried to Collection</b>		R	Included
	Bill No. 2 a.b.e. WATERPROOFING			

Item No	Description	Quantity	Rate	Amount
<b><u>FLAT ROOFS TO RECEIVE STONE BALLASTS</u></b>				
<u>"abedex® Unigum" - 4mm Torchon waterproofing system</u>				
"abedex® Unigum" 4mm dual torchon waterproofing system applied by 'torchfusion' with 100mm side laps and 150mm end laps, including Bitu.prime primer, flashings, gussets, etc. laid under a ten-year guarantee inclusive of protection layer.				
20	All screeds to falls as specified by the engineer/architect but must be a minimum of 1:80 leading to outlets.	m3		<b>Included</b>
21	Mortar fillets or coves to be provided.	m3		<b>Included</b>
22	Apply a 300mm gusset using abedex® Unigum 4mm.	m		<b>Included</b>
23	On flat roofs.	m2		<b>Included</b>
24	Apply Mathoid 5 ply slip sheet loose laid over the primary waterproofing before laying of stone ballasts.	m2		<b>Included</b>
<b><u>PARKING DECKS AND TRAFFICABLE ROOFS</u></b>				
<u>"abedex® Unigum 3mm, and "abedex® AT" - 4mm Torchon double layer waterproofing system with 40mm compacted Pre-Mix Asphalt</u>				
"abedex® Unigum 3mm" and "abedex® AT asphalt tolerant 4mm", double layer dual torchon waterproofing system sealed by 'torchfusion' with 100mm side laps and 150mm end laps, including primer, flashings, gussets, etc., to receive 40mm Pre-Mix hot Asphalt directly onto the waterproofing membrane (Measured elsewhere):				
25	On flat roofs.	m2		<b>Included</b>
<b><u>WATERPROOFING OF A BOARDED ROOF</u></b>				
<b>Carried to Collection</b>				<b>R</b>
Bill No. 2 a.b.e. WATERPROOFING				

Item No	Description	Quantity	Rate	Amount	
26	<p><u>"abedex® Unigum 3mm" &amp; "abedex® Unigum 4mm" for a boarded roofing system</u></p> <p>Apply abedex® Unigum 3mm with 100mm side laps &amp; 150mm end laps mechanically anchored with washes &amp; clout nails every 300mm centres to boarded roof &amp; thereafter to receive abedex® Unigum 4mm applied by heat fusion working on 100mm sidelaps &amp; 150mm endlaps staggered over joints to receive Silvakote (measured elsewhere).</p>	m2		Included	
<b><u>FLAT ROOFS FOR ROOF GARDEN</u></b>					
27	<p><u>"abedex® Unigum 3mm" and "abedex® AR antiroots" - horticultural grade waterproofing and "abe® abedrain with Bidim Geotextile Membrane" - drainage protection membrane</u></p> <p>"abedex® Unigum 3mm" and "abedex® AR antiroots", double layer torchon waterproofing system, including "abe® abedrain with Bidum Geotextile Membrane" HDPE protection and drainage membrane, and including primer, flashings, gussets, etc. laid under a ten year guarantee.</p>	m2		Included	
28	On flat roofs.	m2		Included	
29	On vertical waterproofing to walls, etc.	m2		Included	
30	On waterproofing to bottoms and sides of planters.	m2		Included	
30	Additional membrane 150mm girth at internal and external corners.	m		Included	
<b><u>WATERPROOFING TO RETAINING WALLS</u></b>					
30	<p><u>"abedex® Unigum 3mm" and "abedex® AR antiroots" - horticultural grade waterproofing and "abe® abedrain with Bidum Geotextile Membrane" - drainage protection membrane</u></p> <p>"abedex® Unigum 3mm" and "abedex® AR antiroots", double layer torchon waterproofing system, including "abe® abedrain with Bidum Geotextile Membrane" HDPE protection and drainage membrane, and including primer, flashings, gussets, etc.</p>				
<b>Carried to Collection</b>				R	Included
<p>Bill No. 2 a.b.e. WATERPROOFING</p>					

Item No	Description	Quantity	Rate	Amount
31	On waterproofing to bottoms and sides of concrete footing.	m2		Included
32	On backs of concrete retaining walls.	m2		Included
33	Apply Super Laycryl bandage saturated with 200mm abe® membrane for flashings .  <u>"abedex® AR antiroots" - horticultural grade waterproofing and "abe® abedrain with Bidim Geotextile Membrane" - drainage protection membrane</u>  "abedex® AR antiroots", single layer torchon waterproofing system, fully bonded to primed surface, including "abe® abedrain with Bidim Geotextile Membrane" HDPE protection and drainage membrane, and including primer, flashings, gussets, etc.	m		Included
34	On waterproofing to bottoms and sides of concrete footing.	m2		Included
35	On backs of concrete retaining walls.	m2		Included
36	Apply Super Laycryl bandage saturated with 200mm abe® membrane for flashings.	m		Included
<b><u>WATERPROOFING TO INSULATED FLAT ROOF</u></b>				
<u>Waterproofing to inverted Insulated Protected Screeded Roof - Double Layer incl stone ballasts</u>				
"abedex® Unigum 3mm" and "abedex® Unigum 4mm", double layer dual torchon waterproofing system, fully bonded to primed surface, including Bitu.prime primer, flashings, gussets, etc. to receive insulation followed by bidum & protection layer prior to adding stone ballasts.				
37	On flat roofs.	m2		Included
<b><u>FLAT ROOF WATERPROOFING USING MINERAL CHIP</u></b>				
<b>Carried to Collection</b>				R
Bill No. 2 a.b.e. WATERPROOFING				Included



Item No	Description	Quantity	Rate	Amount
	<u>"abedex® Unigum 3mm" with "abedex® Unigum 4.5kg M.S" protection</u>			
	"abedex® Unigum 3mm" and "abedex® M.S 4.5kg", double layer torchon waterproofing system, including Bitu.prime primer, flashings, gussets, etc. fully bonded to primed surface.			
38	All screeds to falls as specified by the engineer/architect but must be a minimum of 1:80 leading to outlets.	m3		Included
39	Mortar fillets or coves to be provided.	m3		Included
40	Apply a 300mm gusset using abedex® Unigum 4mm.	m		Included
41	On flat roofs.	m2		Included
42	On vertical waterproofing to walls, etc.	m2		Included
43	Apply Super Laycryl bandage saturated with 200mm abe® membrane for flashings.	m		Included
	<b><u>WATERPROOFING OF BALCONIES, CHANNELS, SLABS, SHOWERS, ETC</u></b>			
	<u>"abe® duraflex®" - cementitious waterproofing system</u>			
	"abe® duraflex®" cementitious waterproofing system applied in two coats at a total rate of 4kg/m <sup>2</sup> to prepared surfaces, with and including "abe® ecofelt" membrane working on 100mm side laps & 100mm end laps. No foot traffic over exposed waterproofing on slab areas over 40m <sup>2</sup> .			
44	On shower walls.	m2		Included
45	On shower floors.	m2		Included
46	Extra over for including 200mm wide "abe® ecofelt" membrane into corners.	m2		Included
47	On flat roofs.	m2		Included
48	On tops and sides of inverted beams.	m2		Included
	<b>Carried to Collection</b>		R	Included
	Bill No. 2 a.b.e. WATERPROOFING			

Item No	Description	Quantity	Rate	Amount
49	Vertically against smooth concrete walls, etc.	m2		Included
50	Sealing edges to brickwork or concrete.	m2		Included
51	Extra over waterproofing for "abe® ecofelt" membrane at 100mm dia. Outlet.	m2		Included
52	Extra over waterproofing for "abe® ecofelt" membrane for 200mm girth at internal and external angles.	m2		Included
53	Sealed to concrete slabs under screeded floor finish.	m2		Included
54	Sealed to top, bottom and sides of balconies, channels, slabs, etc.	m2		Included
55	On beams.	m2		Included
<b><u>WATERPROOFING OF CONCRETE SWIMMING POOLS (TO RECEIVE TILES)</u></b>				
<u>"abe® Dura.proof Hydrokote" - cementitious waterproofing system</u>				
"abe® Dura.proof Hydrokote" cementitious waterproofing system applied in two coats at a total rate of 4kg/m <sup>2</sup> to prepared surfaces, with and including "abe® ecofelt" working on 100mm side laps & 100mm end laps to receive tiles (elsewhere measured).				
56	On walls.	m2		Included
57	On floors.	m2		Included
58	Extra over for including 200mm wide "abe® ecofelt" membrane into corners.	m2		Included
<b><u>NON TRAFFICABLE FLAT ROOFS, CANTILEVERS, ETC.</u></b>				
<u>"abe® abe®proof Liquid Membrane System" - Solvent based waterproofing rubber</u>				
59	All screeds to falls as specified by the engineer/architect but must be a minimum of 1:80 leading to outlets.	m3		Included
<b>Carried to Collection</b>			R	Included
Bill No. 2 a.b.e. WATERPROOFING				



Item No	Description	Quantity	Rate	Amount
	<u>"abe® silvakote" - bituminious aluminium paint:</u>			
	Two coats "abe® silvakote" bituminious aluminium paint:			
71	On waterproofing to roofs.	m2		Included
72	On waterproofing to boarded roofs.	m2		Included
	<b>Carried to Collection</b>		R	<b>Included</b>
	Bill No. 2 a.b.e. WATERPROOFING			