

Additional Instructions for Measuring using a Handheld Data Device...

When you measure using a data device, you need to use a "marker code" to identify the A-B length and the location of the first set of points from A.

1. Measure AB value

2. Enter marker code 1 (If using the Disto, refer to page 31 of manual. Press U & M together briefly and + to change code to 1 and = to confirm and thensave the length with M.

3. Measure all points from A including the last before B (Hint: Don't measure AB value again)

4. When you get to the First Point past B, take the measurement from A and before you save it, turn the marker off (If using the Disto, refer to page 31 of manual. Press U & M together briefly and - to change code to 0 and = to confirm and then save the length with M.

5. Continue measuring all the points from A.

6. Now measure all points from B starting with point 1 (no need to change the code again).

7. If you are measuring another pool, repeat steps 1 though 7 using the same marker code 1 for the A-B measurement and all the points up to and including the last point before B. The PowerWise software will automatically separate each pool data set.

Panel Radius or Wall Height	Gicorel50/lorms/imarkout5_902.cdr-1 COF-14-3-4/12
1	
2	<b>ABGAL</b> Please read the conditions marked with a * and fill out all details and tick boxes where applicable
3	QUOTE No: PRICE \$ DATE Required:
1	
5	Your Name: PH: PH:
э	Your Client: Order No:
	Welded Bead: Facing ☐ 4 ~ or ☐ 4 ~ or ☐ 5 ~ Type (A) (B) (C) See overleaf for bead type & size profiles
	Pool Wall Height:
)	A to B Measurement:
.0	Last Point Before B: Pool Width: mm
.1	
2	T/port Co: P/up Perimeter: mm
3	All fixing extrusions are in 3m lengths, list quantity of lengths required
4	Above Water: Retainer EXTRET Capping EXTCAP
5	Below Water: W/line Male EXTWL3M W/line Female EXTWL3F
6	<b>Colour</b> NUMBERS ARE TAKEN AS CLOCKWISE FROM A
7	Dark Blue Please sketch pool Pool Brand Model
8	Light Blue Pool Brand Model
9	Pacific /
0	
1	Antique Caribbean Maldive Correl Cand
2	Maldive B
3	Coral Sand ්
4	Reef Pebble
5	Bahama
6	Casblanca
7	Costa Rica Vertical wall seam usually starts at A
8	Reflections       Seam direction:       (T) Top(default)       (C) Centre       (B) Bottom         Reflect Tile Bd       Choose the direction the edge       A - B       B       B       B
o 9	Reflect Tile Bd       Choose the direction the edge of the seams face in the pool, TOP is the default direction.       A       B       I       B       I
9 0	
	Standard Square Cut Off Radius
1	Corners: Square Square Cut Off Radius 7 70mm Radius mm
2	CHECK POINT OR DISH BASE DIMENSIONS: YES, DISH LINER
3	Refer overleaf to Diagram 5 for measuring details Distance from:
4	The second se
5	
6	Point No Point No
7	Point No Point No
8	Point No Point No
9	Point No Point No
0	Point No Point No
1	Point No Point No
2	Point No Point No
3	Point No Point No
4	
5	Adished base liner will be supplied and charged for if the YES box has been ticked, or the loose measurement is more than 8% longer than the tight measurement.
.6	Please supply one pool liner as per these specifications and conditions:
7	Signed Date
8	
9	Additional Notes: For Office Use Only Job number:
0	
1	
2	*
3	All liners are custom made and hence are non-returnable. This form is to order liners with vertical walls and square wall/floor joins. For pools with tapered walls and/or are curved where the wall meets the floor, use ABGAL's 3D A—B Measuring System or ABGAL's 3D Laser Measuring System. Please refer to ABGAL's Inground Liner Manual for more information on measuring.
3 4	ABGAL's 3D Laser Measuring System. Please refer to ABGAL's Inground Liner Manual for more information on measuring. Thanks
4 5	PO Box 1566, Browns Plains BC, Queensland 4118 56 Magnesium Drive, Crestmead, QLD 4132 Australia. Telephone (07) 3803 6000 Fax (07) 3803 6420
J	www.abgal.com.au Fax: 1800 808 786

						G:\corel50\forms\ma	_	COF-14-3-04/08 Number:
Your Name:		Your Cli	ient:					
Instruc	tions for nool	liner markout	Т	ick	Step m/ou	it or Pool m/out	continued	
Please supply a sketcl	h of the pool on the ABGAL	markout sheet with the position of "A" and			A - B length	Pt	to Pt	
"B" clearly marked as around the pool. Nex markout sheet.	s well as some of the nur t we need the pool leng	nbered points and their relative positions th, width and the perimeter listed on the		and th	ne points on the pool	e for a step, list the Ste that match the step A- or step wall height and	B points	Step
<ol> <li>Envisage a line running through the longest length of the pool and using chalk, a crayon or permanent marker, mark each end of this line at the wall to floor join of the pool. Name the mark in the shallow end "A" and the other mark "B". See Diagram 1.</li> </ol>					point in boxes <b>From A</b>	From B	Floor Step or Pool Wall Ht.	
measurement on y measured by one masonry nail or sin Alternatively you c	ance between "A" and "B' our markout sheet. If the po person, it is advisable to nilar into the pool at both "/ an use a weight to hold one you have to constantly chec	bol is being hammer a A" and "B".	в				 	
actual shape of the tape is obstructed pool, or use 2 post obstacle. Neve	e pool causing the Liner not by a wall, measure from the s held vertical and measure r leave any points v ABGAL we need at least 2 ir	distort the points (unless otherwise told). to fit. If the e top of the above the Diagram 2	3					
"A", mark the pool v spaced according t	o the shape of the particular	pool from for each point to be measured. The points are section of the pool being measured. If the pool wall height as a separate point. See Diagram 2.						
The points around t	he pool should be numbered	en points for certain radius curves on the pool. I consecutively from "A" starting with No. 1. In a efore the corner, a point right on the corner and _ a point 100mm after the corner.						
Wall Radius in Millimetres	Distance apart for points (mm)	<ul><li>4. It is a good idea to write the number of each point you have marked around the</li></ul>						
Straight	1500	pool. Starting from "A" and going in a clockwise direction, number every		Щ				
50 - 150	50	point. Holding the zero end of the tape on "A", measure to point No. 1 and		$\square$				
150 - 300	100	record the distance on your markout sheet. Still holding the tape on "A",		H				
300 - 1000	300	measure now to point "2" and record that distance. (see Diagram 3) Continue in a clockwise direction from "A" and						
1000 - 1800	600	record all the distances to every numbered point from "A". After the last					_	
1900 - 2500	700	point has been measured, transfer the zero end of the tape to point "B".	Bead	d	(The	bead shapes are ac	tual size)	
2600 - 6000	800							
from "B" to point " direction until you from "B" to all the po have 2 times as r around the pool, on	n "B" to point No. "1" and t 2" and continue in a clockv have measured the dista pints in the pool. You should r nany measurements as po e lot measured from "A" and from "B". See Diagram 4.	vise 1 Diagram 3 From A the 44 36	<b>B</b> .21 23			$ = \begin{bmatrix} B \\ B \end{bmatrix} $		c TBEADW1
6. The next step is across the width of $4^{5}$	to take 4 to 5 measurements the pool. (approximately 1m	ents <sup>1 - n</sup> 2m apart) These are from one markout point pool. Eg. Point "5" to point "39" ,then point	to and	other, a	across the width of	the 5	× 8 + + + + + + + + + + + + + + + + + +	-+-+×,16
A A 44 A 59 30 30	m B 21 223	diagram 5. These are used for 2 purposes, correct width when it is processed by compu- needs special shaping in the floor an measurements to have the floor of the liner This is called having a "dished base" put ir pools, but is mandatory when the pool is eit an acute floor shape.	firstly uter. S d if i shape nto the	to che econd it doe ed whe liner.	eck the markout is ly, to check if the li s, provide accur en it is manufactur It is optional for m	the later for th	Diagram 5	<b>B</b> <b>B</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b>
between those san along the contour o the liner needs to b	ne points with the tape meas f the floor between 2 points. e specially shaped (in other	re at ABGAL we calculate the difference in the sure running straight between the points, but ly You can calculate this yourself by dividing the "lo words "a dish"). Eg, the "tight" distance betwee e ABGAL liner needs "a dish".	ing "lo cose" ı	ose" o measu	n the floor of the p irement by the "tigl	ool. The "loose" mea nt" measurement and	asurement is the a I if the result is gre	ater than 1.08,
Tape held "t between poi Diagram 6	nts extrusion. If varying wall I	ght measurement is taken from the wall to floo the pool has a tile line, do not include the tiles neight, a number of measurements are required urements at each numbered point around the	as pa d to ob	rṫ of th tain th	e wall height. Wh	en the pool has a e wall. Take these	Actual Wall height	— Tile line

Diagram 6 measurements in the column provided. Tape "loose" lying Step wall heighi on floor of pool 8 10 Pool 5 Wall height 38 1 Step height at each point Diagram 7 44 Diagram 8 Pool showing step position в Pool points 28

measurements alongside)

Step points starting from 1 in a clockwise direction



When a pool has 1 step to be covered by the ABGAL liner, you need to complete 2 markouts. The first is a

1 step to be covered by the ABGAL liner, do a separate markout for each step.

markout of the pool shape as described above. The second is a markout using the same A & B for the pool, to new points around the whole step. See diagram 9. List these points and measurements on the chart above. (Write each point number in a box and the corresponding

The step points must align exactly with the pool points, so the step can be matched to the pool. Beginning with 1 at the start of the step closest to "A", number each step point and continue in a clockwise direction around the complete step including the front edge. Now measure from "A" to point 1, point 2 and write these measurements on the markout sheet. When you have

Check that you have an equal number of measurements from A & B, if not, recheck each measurement. Next measure the step heights. There are 2 heights to measure, the "riser" from the pool floor to the "tread" or top of the step and the wall of the step. The wall of the step is usually a constant height, but the "riser" will vary if the pool floor is not completely flat. Take each "riser" height and write it down on the chart above, beside the A & B measurements. Then measure the height from the tread to the liner fixing point and write it in the 4th column of the chart. These 2 step heights (riser & step wall) should add together to equal the pool wall height at the same point. Lastly, if there is more than 1 stop the covered by the APCAL liner of a constraint for each step.

measured all the points on the step from "A", transfer the zero end of your tape to "B" and then measure from "B" to point 1, point 2 etc.

Lastly, all of us at ABGAL thank you for taking the time to carefully and accurately measure the pool according to these instructions. Your time taken will be rewarded by an ABGAL liner made exactly to these dimensions for a perfect fit. By the way, if you have any questions about measuring any pool, please call us — we'll be delighted to hear from you. Separate step markout using original A & B points