



Building Ideas That Work

### USE OF DEKTITE FOR FLASHING SQUARE SECTION PIPES

Dektite can be used for flashing square pipes. However, there are limitations which require additional installation procedures.

In a square cross sectional pipe, most of the tension is taken at the four corners of the square. The rest of the sealing edge along the sides of the square tends to "bag" or hang loose. Where it has contact, this contact is only knife edged. In other words a continuous upstand of sealing up does not occur. In order to overcome this it is recommended that an external band of aluminum, approximately 3/4" wide, be fitted around top of the Dektite. After sealing between pipe and Dektite with Sikaflex 201 sealant, fasten the band through Dektite into pipe with Scots self-drilling fasteners. Use your best judgement. If the connections don't need a 3/4" band, use only sealant at the top of the Dektite. Also the 3/4" band should only be used on 3" or above square pipe.

The size of Dektite used will be governed by the dimension across diagonals of the square. This dimension must not exceed actual diameter of bottom cut line on Dektite being considered. Square ducting larger than 10" should be flashed with 16"-24" Diverter Dektite.

In order to find equivalent pipe diameter when given square pipe size, use formula  $D=1.273s$ .

Where  $D$ = Equivalent diameter.  
 $s$ = Length of one side of square.

It is always preferable to cut on small side of pipe range to allow for discrepancies in ducts and ensure good fit. Therefore, the following solution guide should be used:

DEKTITE FOR SQUARE CROSS SECTION PIPE

Square size	Dektite size	Cut at
** 1"	#1	1-1/4"
** 2"	#2	2-1/2"
3"	#3	3-3/4"
4"	#4	5"
5"	#5	6-1/4"
6"	#6	7-1/2"
7"	#7	8-3/4"
8"	#8	10"
9"	#8	11-1/4"
10"	#9	12-1/2"