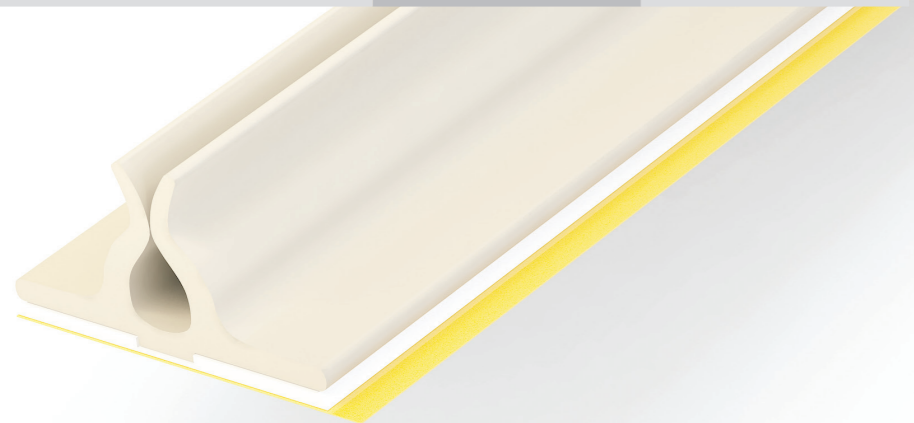


MATRIX SELECTOR Based on 23.80mm cutting rule & thin film base matrix

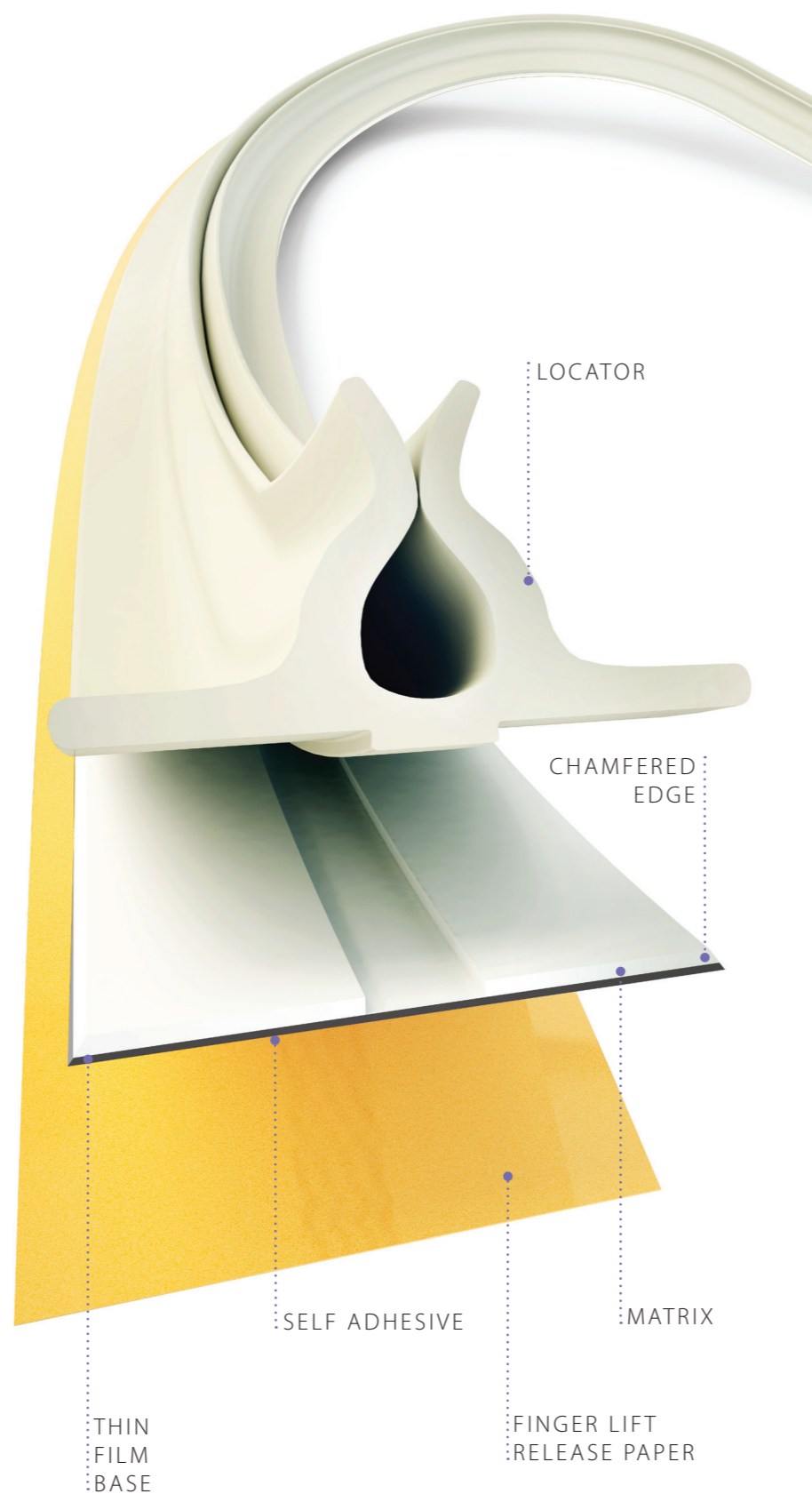
BOARD THICKNESS/WEIGHT		CREASING RULE		
MICRON	WIDTH TO BE USED	HEIGHT mm	MATRIX mm	
150	2PT	23.50-23.45	0.3 x 0.6 - 0.3 x 0.8	
200	2PT	23.45-23.40	0.3 x 1.0 - 0.3 x 1.1	
250	2PT	23.40-23.35	0.3 x 1.1 - 0.3 x 1.2	
300	2PT	23.35-23.30	0.3 x 1.2 - 0.3 x 1.3	
350	2PT	23.30-23.25	0.3 x 1.2 - 0.3 x 1.3	
400	2PT	23.25-23.20	0.4 x 1.3 - 0.4 x 1.4	
450	2PT	23.20-23.25	0.4 x 1.4 - 0.4 x 1.5	
500	2PT	23.15-23.10	0.5 x 1.5 - 0.5 x 1.6	
550	2PT	23.10-23.05	0.5 x 1.5 - 0.5 x 1.7	
550	3PT	23.10-23.05	0.5 x 1.9 - 0.5 x 2.1	
600	2PT	23.05-23.00	0.6 x 1.7 - 0.6 x 2.1	
600	3PT	23.05-23.00	0.6 x 2.1 - 0.6 x 2.3	
650	2PT	23.00-22.95	0.6 x 1.7 - 0.6 x 1.9	
650	3PT	23.00-22.95	0.6 x 1.9 - 0.6 x 2.1	
700	2PT	22.95-22.90	0.7 x 1.9 - 0.7 x 2.1	
700	3PT	22.95-22.90	0.7 x 2.1 - 0.7 x 2.3	
750	2PT	22.90-22.85	0.7 x 1.9 - 0.7 x 2.3	
750	3PT	22.90-22.85	0.7 x 2.3 - 0.7 x 2.5	
750	4PT	22.90-22.85	0.7 x 2.5 - 0.7 x 2.7	
800	2PT	22.85-22.80	0.8 x 2.1 - 0.8 x 2.3	
800	3PT	22.85-22.80	0.8 x 2.5 - 0.8 x 2.7	
800	4PT	22.85-22.80	0.8 x 2.7 - 0.8 x 3.0	
900	2PT	22.75-22.70	0.8 x 2.1 - 0.8 x 2.5	
900	3PT	22.75-22.70	0.8 x 2.5 - 0.8 x 2.7	
900	4PT	22.75-22.71	0.8 x 3.0 - 0.8 x 3.2	
1000	2PT	22.65-22.60	1.0 x 2.5 - 1.0 x 2.7	
1000	3PT	22.65-22.60	1.0 x 2.7 - 1.0 x 3.0	
1000	4PT	22.65-22.60	1.0 x 3.2 - 1.0 x 3.5	
1100	2PT	22.55-22.50	1.0 x 3.0 - 1.0 x 3.5	
1100	3PT	22.55-22.50	1.0 x 3.2 - 1.0 x 3.5	
1100	4PT	22.55-22.50	1.0 x 3.5 - 1.0 x 4.0	
1200	2PT	22.45-22.40	1.2 x 3.2 - 1.2 x 3.2	
1200	3PT	22.45-22.40	1.2 x 3.5 - 1.2 x 4.0	
1200	4PT	22.55-22.40	1.2 x 4.0 - 1.2 x 4.5	
1200	6PT	22.45-22.40	1.2 x 4.5 - 1.2 x 5.0	
1300	2PT	22.35-22.30	1.2 x 3.5 - 1.2 x 4.0	
1300	3PT	22.35-22.30	1.2 x 4.0 - 1.2 x 4.5	
1300	4PT	22.35-22.30	1.2 x 4.0 - 1.2 x 5.0	
1300	6PT	22.35-22.30	1.2 x 4.5 - 1.2 x 5.0	
1400	2PT	22.25-22.20	1.4 x 3.5 - 1.4 x 4.0	
1400	3PT	22.25-22.20	1.4 x 4.0 - 1.4 x 4.5	
1400	4PT	22.25-22.20	1.4 x 4.5 - 1.4 x 5.0	
1400	6PT	22.25-22.20	1.4 x 5.0 - 1.4 x 6.0	
1500	2PT	22.15-22.10	1.4 x 4.0 - 1.4 x 4.5	
1500	3PT	22.15-22.10	1.4 x 4.5 - 1.4 x 5.0	
1500	4PT	22.15-22.10	1.4 x 5.0 - 1.4 x 6.0	
1500	6PT	22.15-22.10	1.4 x 5.0 - 1.4 x 6.0	

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XTC SYNTHETIC MATRIX

YOUR SIMPLE GUIDE TO CHOOSING YOUR MATRIX

BASED ON 23.80mm CUTTING RULE HEIGHT & 0.1mm THIN FILM BASE MATRIX

Measure your board thickness

$D = \text{mm}$
(100µm = 0.1mm)

Work out your Creasing Rule height

$B = 23.80 - \text{mm} - 0.1$

$B = \text{mm}$

The height of the Matrix is equal to the depth of the board

Height = mm

Calculate the channel width using a 0.7mm, 2pt rule

$1.5 \times \text{mm} + 0.7$

= mm

for < 600 microns x 1.5
for > 600 microns x 2.0

My matrix size is:

Height = mm

Width = mm

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