

MACmount M1780 DOUBLE-SIDED SELF-ADHESIVE FOAM TAPE FOR MIRROR MOUNTING

PRODUCT DESCRIPTION

MACmount M1780 is a white, 0,9 mm thick double-sided self-adhesive foam tape, protected by a siliconised white paper liner, self-wound.

It is coated with an adhesive offering extremely high adhesion and cohesion properties.

Technical Data Sheet available upon request.

MACmount M1780 has been developed for MIRROR MOUNTING and is suitable for most commonly used substrates (wood, chipboard, plywood, laminated board, metal, painted surfaces, ceramics, various type of plastics, etc.).

The adhesive used in **MACmount M1780** will not affect mirror silvering and lacquer coatings.

MACmount M1780 is also recommended for other applications requiring a high shear resistance, such as hangers, household accessories, POS displays, etc...

APPLICATION

GUIDANCE NOTES TO APPLY MACmount M1780

a) Preparation of the mirror (reverse side)

The surface tension of the mirror lacquer must be at least 32 mN/m(1), so that **MACmount M1780** develops a firm bond to the mirror backing.

The mirror backing must be clean, dry, dust and grease free.(A lint -free rag and isopropyl alcohol may be used for removing grease. Allow for drying time)

b) Usage quantities of M1780 and temperature range

It is recommended that 1 sq. cm. of **MACmount M1780** is used per 25 gr of mirror (or 40 sq. cm. per kg of mirror), in normal room temperature conditions (up to 45°C)

However if the assembly is subjected for long periods of time (several hours) to temperatures between 45 and 55°C, it is recommended to use 66 cm² of tape per kg of load (or 15 gr/cm²)

Above 55°C, it is advisable to select another product from the MACmount range.

Our Technical Department can advise you.

The table in page 4 will assist you in your calculations.

c) **How to apply M1780**

The surface tension of the mirror lacquer must be at least 32 mN/m¹, so that **MACmount M1780** develops a firm bond to the mirror backing.

The mirror backing must be clean, dry, dust and grease free. (A lint-free rag and isopropyl alcohol may be used for removing grease. Allow for drying time)

The use of horizontal strips or long continuous strips is NOT recommended.

d) **Preparation of the substrate**

This is usually the most critical stage.

The substrate must be STABILISED (that is, all loose parts, such as pieces of plaster, wood particles, wall paper, etc. carefully removed BEFORE applying the mirror).

Roughness and surface irregularities must be minimized².

On very rough or dusty substrates (wood, plaster, cement...) a primer coating must be used.

On substrates such as laminated board or plastic the surface tension must be at least 32mN/m (1) so that the **MACmount M1780** develops a firm bond.

Finally, the substrate must be dry, free from dust and grease (a lint-free rag and isopropyl alcohol may be used for removing grease - and allow for drying time).

e) **Application of the mirror to the substrate (using MACmount M1780)**

The minimum application temperature of **MACmount M1780** is 10° C.

When setting the mirror in place, it is important to apply firm pressure over the entire surface.

After application, if the mirror has to be repositioned for any reason, it is important that this is done as soon as possible. Prior to repositioning, fresh **MACmount M1780** should be applied to the mirror back.

IMPORTANT NOTICE

All MACtac products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects. Published information concerning MACtac products are based upon research which the Company believes to be reliable but such information do not constitute a warranty. Because of the variety of possible uses for MACtac products and the continuing development of new uses, the purchaser should carefully consider the fitness and performance of the product for each intended use and the purchaser assumes all risks in connection with such use. Seller shall not be liable for damages in excess of the purchase price of the product or for incidental or consequential damages. All specifications are subject to change without prior notice.



¹ MACtac's TECHNICAL DEPARTMENT can advise you on techniques for checking the lacquer surface tension on mirrors

² If the substrate is too uneven, it is recommended that a thicker foam be used, such as **MACmount M1711** (1,7 mm) or **M1770** (3,3 mm)

Usage quantities of M1780 *

Thickness of the mirror	3 mm		4 mm		5 mm		6 mm	
	19 mm	25 mm	19 mm	25 mm	19 mm	25 mm	19 mm	25 mm
Area of the mirror (in sqm cm)	Length of the tape (in cm)		Length of the tape (in cm)		Length of the tape (in cm)		Length of the tape (in cm)	
400	6	5	9	7	11	8	13	10
600	10	8	13	10	16	12	19	15
800	13	10	17	13	21	16	26	20
1000	16	12	21	16	27	20	32	24
1200	19	15	26	20	32	24	38	29
1400	22	17	30	23	37	28	45	34
1600	26	20	34	26	42	32	51	39
1800	29	22	38	29	48	36	57	44
2000	32	24	42	32	53	40	64	48
2200	35	27	47	36	58	44	70	53
2400	38	29	51	39	64	48	76	58
2600	41	32	55	42	69	52	82	63
2800	45	34	59	45	74	56	89	68
3000	48	36	64	48	79	60	95	72
3500	56	42	74	56	92	70	111	84
4000	64	48	85	64	106	80	127	96
4500	71	54	95	72	119	90	142	108
5000	79	60	106	80	132	100	158	120
6000	95	72	127	96	158	120	190	144
7000	111	84	148	112	184	140	222	168
8000	127	96	169	128	211	160	253	192
9000	143	108	190	144	237	180	285	216
10000	158	120	211	160	263	200	316	240
12000	190	144	253	192	316	240	380	288
14000	222	168	295	224	369	280	443	336
16000	253	192	337	256	421	320	506	384
18000	285	216	379	288	474	360	569	432
20000	316	240	421	320	526	400	632	480
25000	395	300	527	400	658	500	790	600
30000	474	360	632	480	789	600	948	720
35000	553	420	737	560	921	700	1106	840
40000	632	480	842	640	1052	800	1264	960