

Adhesive Backed Mounts and Devices
Selection and Application Guide

Quick — Dependable — Secure

PANDUIT® offers high performance adhesive backed mounts and devices for a quick, dependable method of securing, routing and protecting wires or cables. The adhesive backing provides easy installation and is an alternative to mechanical fasteners. When properly installed, PANDUIT® Adhesive Backed Mounts and devices offer the advantage of lower installed cost and high reliability.

PANDUIT® Adhesive Backed Mounts and Devices

Features and Benefits

- Superior adhesive for long term reliability
- 2-up mount configuration speeds liner removal and installation
- 4-way cable tie entry makes part orientation fast and easy
- Adhesive backing allows routing of wires and cables where mounting holes cannot be drilled
- Mount sizes range from .50" x .50" to 2.00" x 2.00" for space limited or heavy load applications
- Select Mounts, Clamps and Clips are UL Recognized
- Used with PANDUIT® cable ties for a complete wire routing solution
- One piece solutions lower inventory costs and speed installation
- Cable tie entry ramps guide the cable tie into the mount
- Bevel entry on wire clips speeds installation
- Releasable latches allow addition or removal of cables



Selection of Adhesive

Choose from four types of adhesive systems designed for specific application environments and temperatures: Rubber-based, Acrylic-based, and High Bond Acrylic-based Adhesive Foam Tape, or Two-part Epoxy Adhesive. Carefully choosing the correct adhesive and closely following the recommended installation steps will provide a reliable, long-term bond.

Rubber-Based Adhesive Foam Tape

Rubber-based Adhesive Foam Tape is the best choice for the vast majority of adhesive mount applications, including applications where powder coated surfaces are being used. It has a static load rating of 1/2 pound per square inch. This adhesive tape is suitable only for indoor use application, but the tape has a temperature performance tolerance range of -20° F to 120° F (-29° C to 49° C). It is recommended that rubber-based adhesive mounts dwell two (2) hours after installation, prior to loading. Rubber-based Adhesive Foam Tape is the most widely used and generally recommended foam tape for wire routing applications.

Acrylic-Based Adhesive Foam Tape

Acrylic-based Adhesive Foam Tape is a good choice in applications with prolonged exposure to UV rays or heavy moisture. It has a static load rating of 1/2 pound per square inch, and is suitable for both indoor and outdoor applications. This tape has a temperature performance tolerance range of -20° F to 180° F (-29° C to 82° C). The acrylic-based adhesive develops its maximum strength over a longer period of time compared to the rubber-based adhesive. It is recommended that the mounts dwell eight (8) hours after installation and prior to loading.

High Bond Acrylic-Based Adhesive Foam Tape

High bond Acrylic-Based Adhesive Foam Tape is a good choice in applications with prolonged exposure to UV rays or heavy moisture and where additional tack strength is needed. It has a static load rating of 1 pound per square inch, and is suitable for both indoor and outdoor applications. This tape has a temperature performance tolerance range of -31 F to 200 F (-35 C to 93 C). As it is acrylic-based, it develops its maximum strength over a longer period of time compared to the rubber-based adhesive. It is recommended that the mounts dwell eight (8) hours after installation prior to loading. This is a good choice for applications where wire routing is subjected to higher dynamic loads, such as those routed inside control panel access doors.

Two-Part Epoxy Adhesive

Two-part Epoxy Adhesive is for use in applications where excessive loading is required or where the mounting surface is porous rather than smooth. This adhesive is formulated specifically for use on PANDUIT® EMS and ASMS mounts in either indoor or outdoor applications. It is packaged in convenient pre-measured cups to insure the proper ratio of resin and hardener, as well as eliminate waste.

Guideline for Adhesive

The following chart should be used as a guideline for choosing the best adhesive for common surfaces and chemical resistance. Since each application has specific requirements, PANDUIT recommends that further testing be conducted to determine the suitability of the adhesive in a specific environment or application.



Surfaces	Rubber Based Foam Tape Mounts	Acrylic Based Foam Tape Mounts	Epoxy Applied Adhesive Mounts
Plastics	Good	Good	Good
Wood	Good	Good	Good
Glass	Fair	Good	Good
Painted Surfaces	Good	Good	Fair
Powder Coating	Good	Fair	Good
Metal	Good ¹	Good ¹	Good
Paper	Good	Good	Fair
Concrete, Stone, Masonry	Not Recommended	Not Recommended	Good
Chemical Resistance			
Water	Good	Poor	Poor
Oil	Poor	Fair ³	Good
Gasoline	Poor	Fair ³	Fair
Dilute Acids	Poor	Fair ³	Fair
Dilute Alkalis	Good	Fair ³	Fair
Organic Solvents	Poor	Fair ³	Not Recommended
Outdoor Exposure	Not Recommended	Good ²	Good ²

1. Not recommended for use on copper or brass.

2. Mounts manufactured from outdoor material only. For specific applications, individual testing prior to extensive use is suggested.

3. Depends on concentration, exposure time and chemical composition.

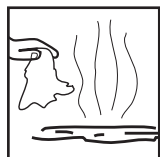
Proper Installation Steps

Surface Preparation

For best results, mounts should be applied to a clean, dry, and grease-free surface. It is recommended that for each individual application, a solvent or cleanser be used to thoroughly prepare the surface for mount installation. The following are recommended cleaning guidelines:

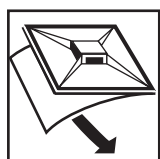


1. For Rubber and Acrylic-based Adhesive Foam Tape, a mixture of water and isopropyl alcohol may be used on most surfaces.
For Two-part Epoxy Adhesive, especially on masonry surfaces, be sure to clean all loose particles away before mount installation. Some surface abrasion is recommended on smooth surfaces to achieve maximum strength. A light rubbing with medium grit emery cloth or sandpaper is best. Wash the surface after abrading.

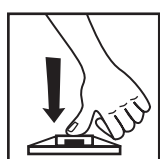


2. Allow the surface to dry completely before applying the mount.

Installing the Mount



1. For proper installation of adhesive backed mounts with foam tape, remove the release liner from the foam adhesive. Without touching the adhesive, place the mount in the desired location.
For Two-part Epoxy Adhesive Mounts, apply 1/3 of the mixed adhesive to the bottom of the *PANDUIT*® EMS or ASMS mount. Without touching the adhesive, place the mount in the desired location.



2. Apply firm pressure for five (5) seconds to the foam tape mounts to insure proper adhesion.
Two-part Epoxy Adhesive Mounts should be twisted in place to ensure the adhesive is forced into the porous surface.



3. Allow the mount to remain in place for the recommended dwell time for the specific adhesive being used.
The dwell time for Rubber-based Adhesive Foam Tape is two (2) hours and for Acrylic-based Adhesive Foam Tape it is eight (8) hours.
Two-part Epoxy Adhesive Mounts can support about 5 lbs. after first fifteen (15) minutes. The adhesive fully cures after twenty-four (24) hours and bonding strength will exceed 50 lbs.

4. The mount is now ready to be used.

Mount Spacing

To determine the number of mounts to use in a given application, the following formula can be used as a guideline:

$$\frac{\text{Cable bundle weight in lbs/foot}}{\text{Maximum static load rating of the mount}^*} = \text{Minimum number of mounts per foot}$$

For example, to determine the mount spacing using part number ABM2S-A-C for an application with a bundle of wires that weigh one pound per foot, the formula would be:

$$\frac{1 \text{ pound per foot}}{0.5 \text{ lbs load rating}} = 2 \text{ mounts per foot}$$

* See pages 6-7 for static load ratings.

Proper Storage Conditions

Mounts and adhesives should be kept in the original packaging until they are ready to be applied. Store at room temperature 70°F (21°C) with 45% or less relative humidity. Avoid storing adhesive products near heating vents or other heating sources.

Using the guidelines above, the average shelf life of adhesive foam tape is three (3) years from the date of manufacture. The shelf life of Two-part Epoxy Adhesive is one (1) year from the date of manufacture. Failing to follow the recommended storage conditions may reduce the shelf life or adhesive strength of the foam tape and Two-part Epoxy Adhesive.



Adhesive Technical Information

Adhesive foam tape properties are developed with thorough laboratory research and testing. The double-coated adhesive foam tape used on *PANDUIT*® Adhesive Backed Mounts is manufactured under strict quality requirements, which provide consistent, high quality performance for use on adhesive mounts. Each package of mounts has an expiration date and a Quality Control number printed on the label, which permit traceability.

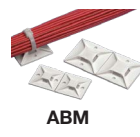
Double Coated Foam Tape Properties

		Rubber Adhesive	Acrylic Adhesive
Backing Material		Polyethylene	Polyethylene
Nominal Backing Density (pcf)		6	6
Thickness (PSTC-33)	(In.) Total	.040	.039
	Less Liner	.035	.034
Static Shear MIL-T-60394A (Hours)	72°F/17.6 psi	500+	N/A
	72°F/8.8 psi	1000+	N/A
	158°F/2.5 psi	100+	200+

Adhesive Backed Cable Tie Mounts

Part Number	Material (see notes below table)	Length		Width		Max. Static Load		Adhesive Type	Used with Cable Ties ^^
		In.	mm	In.	mm	Lbs.	g		
4-Way Adhesive Backed Cable Tie Mounts 									
ABM1M-A-C	Nylon 6.6	0.50	12.7	0.50	12.7	0.13	59	Rubber	M
ABM1M-AT-M0	WR Nylon 6.6							Acrylic	
ABMM-A-C	ABS	0.75	19.1	0.75	19.1	0.30	136	Rubber	M, I
ABMM-AT-C0	WR ABS							Acrylic	
ABMM-AV-C	ABS					High Bond			
ABMM-AV-C0	WR ABS					Acrylic			
ABM2S-A-C	ABS	1.00	25.4	1.00	25.4	0.50	227	Rubber	M, I, S
ABM2S-AT-C0	WR ABS							Acrylic	
ABM100-A-C	Nylon 6.6	1.00	25.4	1.00	25.4	0.50	227	Rubber	M, I, S
ABM100-AT-C0	WR Nylon 6.6							Acrylic	
ABM100-AV-C	Nylon 6.6					High Bond			
ABM100-AV-C0	WR Nylon 6.6	Acrylic							
ABM112-A-C	Nylon 6.6	1.12	28.6	1.12	28.6	0.63	266	Rubber	M, I, S
ABM112-AT-C0	WR Nylon 6.6							Acrylic	
ABM112-AV-C	Nylon 6.6					High Bond			
ABM112-AV-C0	WR Nylon 6.6	Acrylic							
ABM3H-A-L	Nylon 6.6	1.50	38.1	1.50	38.1	1.13	513	Rubber	M, I, S, LH, H
ABM3H-AT-L0	WR Nylon 6.6							Acrylic	
ABM3H-AV-L	Nylon 6.6					High Bond			
ABM3H-AV-L0	WR Nylon 6.6	Acrylic							
ABM4H-A-L	Nylon 6.6	2.00	50.8	2.00	50.8	2.00	907	Rubber	M, I, S, LH, H
ABM4H-AT-T0	WR Nylon 6.6							Acrylic	
Super-Grip™ Adhesive Backed Cable Tie Mounts									
SGABM20-A-C	Nylon 6.6	0.75	19.1	0.75	19.1	0.28	127	Rubber	SGM, SGI
SGABM20-AV-C300	HS WR Nylon 6.6	0.75	19.1	0.75	19.1	0.56	254	High Bond Acrylic	
SGABM25-A-C	Nylon 6.6	1.00	25.4	1.00	25.4	0.50	227	Rubber	SGM, SGI, SGS
SGABM25-AT-C0	WR Nylon 6.6	1.00	25.4	1.00	25.4	0.50	227	Acrylic	
SGABM25-AV-C300	HS WR Nylon 6.6	1.00	25.4	1.00	25.4	1.00	454	High Bond Acrylic	
SGABM30-A-C	Nylon 6.6	1.12	28.4	1.12	28.4	0.63	287	Rubber	SGM, SGI, SGS
SGABM30-AT-C0	WR Nylon 6.6	1.12	28.4	1.12	28.4	0.63	287	Acrylic	
SGABM30-AV-C300	HS WR Nylon 6.6	1.12	28.4	1.12	28.4	1.25	567	High Bond Acrylic	
SGABM40-A-L	Nylon 6.6	1.50	38.1	1.50	38.1	1.12	500	Rubber	SGM, SGI, SGS, SGLH, SGH
SGABM50-A-L	Nylon 6.6	2.00	50.8	2.00	50.8	2.00	907	Rubber	SGM, SGI, SGS, SGLH, SGH
Tak-Ty® Hook & Loop Cable Tie Mounts									
ABMT-A-C	Nylon 6.6	1.12	28.5	1.12	28.5	0.38	174	Rubber	HLT, HLS, TTS, UCT
Snap-In Cable Te Mount 									
SMS-A-C	ABS	2.00	50.8	1.00	25.4	1.00	454	Rubber	S

Material Notes: WR = Weather Resistant, HS = Heat Stabilized
 ^ Visit www.panduit.com for additional packaging and material/color availability.
 ^^ Cable Tie Cross Section Designation: M = miniature, I = intermediate, S = standard, LH = light heavy, H = heavy
 SG = Super-Grip, HLT = Tak-Ty™ Hook & Loop Ties, HLS = Tak-Ty™ Hook & Loop Ties, TTS = Tak-Tape™ Roll, UCT = Ultra-Cinch™ Tie



ABM

NEW

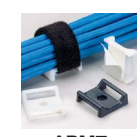
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SGA








ABMT



SMS

Adhesive Backed Cable Clips and Clamps

Part Number^	Material (see notes below table)	Length		Width		Max. Static Load		Adhesive Type	Max. Cable Dia. In. (mm)
		In.	mm	In.	mm	Lbs.	g		
Clincher™ Adjustable Releasable Clamp 									
ARC.68-A-Q	Polypropylene	1.00	25.4	1.00	25.4	0.50	227	Rubber	0.68 (17.3)
Adhesive Backed Cord Clips									
ACC19-A-C	Nylon 6.6	0.63	16.0	0.76	19.3	0.24	109	Rubber	0.19 (4.8)
ACC19-AT-C0	WR Nylon 6.6	0.63	16.0	0.76	19.3	0.24	109	Acrylic	0.19 (4.8)
ACC19-AV-M300	HS WR Nylon 6.6	0.63	16.0	0.76	19.3	0.48	218	High Bond Acrylic	0.19 (4.8)
ACC38-A-C	Nylon 6.6	1.00	25.4	1.00	25.4	0.50	227	Rubber	0.38 (9.6)
ACC38-AT-C0	WR Nylon 6.6	1.00	25.4	1.00	25.4	0.50	227	Acrylic	0.38 (9.6)
ACC38-AV-M300	HS WR Nylon 6.6	1.00	25.4	1.00	25.4	1.00	454	High Bond Acrylic	0.38 (9.6)
ACC62-A-C	Nylon 6.6	1.24	31.4	1.12	28.5	0.69	315	Rubber	0.62 (15.7)
ACC62-AT-C0	WR Nylon 6.6	1.24	31.4	1.12	28.5	0.69	315	Acrylic	0.62 (15.7)
ACC62-AV-D300	HS WR Nylon 6.6	1.24	31.4	1.12	28.5	1.39	631	High Bond Acrylic	0.62 (15.7)
“J” Clips 									
AJC12-A-C	PVC	1.00	25.4	0.86	21.8	0.40	181	Rubber	0.12 (3.0)
AJC19-A	PVC	1.25	31.8	0.87	22.1	0.50	227	Rubber	0.19 (4.8)
AJC25-A	PVC	1.50	38.1	0.97	24.6	0.58	263	Rubber	0.25 (6.4)
AJC31-A	PVC	1.75	44.5	1.22	31	0.90	408	Rubber	0.31 (7.9)
AJC38-A	PVC	2.00	50.8	1.27	32.3	1.00	454	Rubber	0.38 (9.6)
A1C Type Clips 									
A1C12-A-C8	PVC	0.77	19.6	0.63	16.0	0.14	64	Rubber	0.12 (3.0)
A1C25-A-C8	PVC	0.91	23.1	0.63	16.0	0.14	64	Rubber	0.25 (6.4)
A1C38-A-C8	PVC	1.04	26.4	0.63	16.0	0.14	64	Rubber	0.38 (9.6)
A1C50-A-C8	PVC	1.17	29.7	0.63	16.0	0.14	64	Rubber	0.50 (12.7)
A2C Type Clips 									
A2C12-A-C8	PVC	1.30	33.0	0.63	16.0	0.28	128	Rubber	0.12 (3.0)
A1C25-A-C8	PVC	1.43	36.3	0.63	16.0	0.28	128	Rubber	0.25 (6.4)
A1C38-A-C8	PVC	1.56	39.6	0.63	16.0	0.28	128	Rubber	0.38 (9.6)
A1C50-A-C8	PVC	1.72	43.7	0.63	16.0	0.28	128	Rubber	0.50 (12.7)
Metal Adhesive Backed Cord Clips									
MACC25-A-C	Zinc-Plated Steel	0.77	19.6	0.54	13.7	0.21	95	Rubber	0.25 (6.4)
MACC25-AV-D	Zinc-Plated Steel	0.77	19.6	0.54	13.7	0.42	191	High Bond Acrylic	0.25 (6.4)
MACC62-A-C	Zinc-Plated Steel	1.18	30.0	0.78	19.8	0.46	209	Rubber	0.62 (15.7)
MACC62-AV-C	Zinc-Plated Steel	1.43	36.3	0.63	16.0	0.92	418	High Bond Acrylic	0.62 (15.7)
Latching Wire Clips 									
LWC19-A-C	Nylon 6.6	0.85	21.6	0.61	15.5	0.25	113	Rubber	0.19 (4.8)
LWC25-A-C	Nylon 6.6	0.88	22.4	1.00	25.4	0.45	204	Rubber	0.25 (6.4)
LWC38-A-C	Nylon 6.6	1.00	25.4	1.00	25.4	0.50	227	Rubber	0.38 (9.6)
LWC50-A-L	Nylon 6.6	1.26	32	1.00	25.4	0.63	272	Rubber	0.50 (12.7)
LWC75-A-L	Nylon 6.6	1.48	37.6	1.24	31.5	0.92	417	Rubber	0.75 (19.1)
LWC100-A-L	Nylon 6.6	2.21	56.1	1.97	50.0	2.18	988	Rubber	1.0 (25.4)

Material Notes: WR = Weather Resistant, HS = Heat Stabilized
 ^ Visit www.panduit.com for additional packaging and material/color availability.

Continued on next page

Adhesive Backed Cable Clips and Clamps (continued)



Part Number^	Material (see notes below table)	Length		Width		Max. Static Load		Adhesive Type	Max. Cable Dia. In. (mm)
		In.	mm	In.	mm	Lbs.	g		
Bevel Entry Clips									
BEC38-A-L	Nylon 6.6	1.46	37.1	1.24	31.5	0.91	411	Rubber	0.38 (9.6)
BEC62-A-T	Nylon 6.6	1.46	37.1	1.24	31.5	0.91	411	Rubber	0.62 (15.7)
BEC75-A-L	Nylon 6.6	1.46	37.1	1.49	37.8	1.09	494	Rubber	0.75 (19.1)
Vertical Cord Clip									
VCC25-A-C	Nylon 6.6	1.00	25.4	0.50	12.7	0.25	113	Rubber	0.25 (6.4)
Adhesive Backed Latching Clips									
LC3-A-C8	PVC	0.75	19.0	0.78	19.8	0.24	110	Rubber	0.25 (6.4)
LC5-A-C8	PVC	1.00	25.4	1.01	25.7	0.44	200	Rubber	0.36 (9.1)
LC10-A-L8	PVC	1.00	25.4	1.51	38.4	0.60	272	Rubber	0.93 (23.6)
Cable Holder									
CH105-A-C14	Nylon 6.6	2.48	63.0	1.03	26.2	1.28	581	Rubber	5 X .39 (10)

Material Notes: WR = Weather Resistant, HS = Heat Stabilized
^ Visit www.panduit.com for additional packaging and material/color availability.

Flat Cable Mounts



Part Number^	Material (see notes below table)	Length		Width		Max. Static Load		Adhesive Type	Flat Cable Width In. (mm)
		In.	mm	In.	mm	Lbs.	g		
Low Profile Flat Cable Mounts									
LPFCM14-A-C14	Nylon 6.6	2.56	65.0	0.50	12.7	0.25	113	Rubber	1.44 (36.6)
LPFCM22-A-C14	Nylon 6.6	3.31	84.1	0.50	12.7	0.25	113	Rubber	2.19 (55.6)
LPFCM34-A-C14	Nylon 6.6	4.56	115.8	0.50	12.7	0.25	113	Rubber	3.44 (87.4)
Latching Flat Cable Mounts									
FCM1-A-C14	Nylon 6.6	1.21	30.7	1.00	25.4	0.50	227	Rubber	1.05 (26.7)
FCM1.2-A-C14	Nylon 6.6	1.37	34.8	1.00	25.4	0.68	311	Rubber	1.20 (30.5)
FCM2-A-C14	Nylon 6.6	2.22	56.4	1.00	25.4	1.00	454	Rubber	2.05 (52.1)
FCM3.25-A-L14	Nylon 6.6	3.38	85.9	1.00	25.4	1.50	680	Rubber	3.23 (82.0)
Latching Flat Cable Holder									
FCH2-A-T14	Nylon 6.6	2.48	63.0	1.03	26.2	1.28	581	Rubber	2.06 (52.2)
Flat Cable Clips									
FCC-A-C8	Nylon 6.6	1.00	25.4	1.09	27.7	0.50	227	Rubber	-
FCC5-A-C8	Nylon 6.6	1.00	25.4	0.56	14.2	0.25	117	Rubber	-

Material Notes: WR = Weather Resistant, HS = Heat Stabilized
^ Visit www.panduit.com for additional packaging and material/color availability.

Epoxy Applied Mounts



Part Number^	Material (see notes below table)	Length		Width		Max. Static Load		Adhesive Type (not included, purchase EMA-X)	Compatible Ties (Cross-Section)
		In.	mm	In.	mm	Lbs.	g		
ASMS-A-X	Aluminum Base, Nylon 6.6 Mount	1.13	28.5	1.13	28.5	10.00	4540	EMA Epoxy	M, I, S
EMS-A-C	Nylon 6.6	0.98	24.9	0.98	24.9	10.00	4540	EMA Epoxy	M, I, S
EMS-A-C0	WR Nylon 6.6	0.98	24.9	0.98	24.9	10.00	4540	EMA Epoxy	M, I, S

Material Notes: WR = Weather Resistant, HS = Heat Stabilized
^ Visit www.panduit.com for additional packaging and material/color availability.

Epoxy Applied Mount Kits



Part Number^	Color	Environment	Used with Cable Ties	Number of Cable Ties	Number of EMS Mounts	Number of Epoxy Cups	Number of Mixer Sticks	Std. Pkg. Qty.‡
Epoxy Adhesive Only								
EMA-X	Gray	Indoor/ Outdoor	-	-	-	10	10	10
Epoxy Mounting Kit with EMS Mounts								
EMSK3-1-X0	Black	Indoor/ Outdoor	M, I, S	-	3	1	1	10
Epoxy Mounting Kit with EMS Mounts and Cable Ties								
EMSK3-1-3-0	Black	Indoor/ Outdoor	M, I, S	(3) PLT2S-0	3	1	1	1
EMSK12-4-12-X0	Black	Indoor/ Outdoor	M, I, S	(3) PLT2S-0	12	4	4	10

^ Visit www.panduit.com for additional packaging and material/color availability.
‡Order the number of pieces required, in multiples of Standard Package Quantity.



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