



Taping of SCS 8200 Mats

Technical Brief – July, 1983

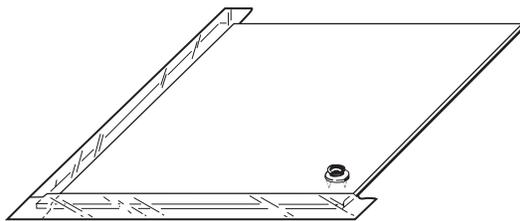
No. 114

The SCS 8200 Series Mats were designed to be lay down mats that can be easily moved or repositioned. However, there may be times when it is desirable to adhere the mat more securely. The following recommendations are suggested for adhering the mats to work benches, vinyl tile, or concrete floors.

In an application where it is necessary to tape the mat down to prevent movement, protect the edges, or cover the mat edge to insulate the conductive scrim, the tape should be applied in the following manner.

The mat and the surface that it will be adhered to should be clean and dry. If the mat is new, no cleaning preparation is required. A used mat should be cleaned with detergent and water and then dried. A new mat should be unrolled and allowed to lay flat to avoid applying the tape to a curled or uneven surface. The tape should be at least 2 inches wide and positioned so that the mat is covered with approximately 1 inch of tape. At the corners of the mat, the tape should extend at least 1 inch beyond the mat and overlap the tape strip from the other edge. See Figure #1. After the tape has been applied, firmly press the tape to ensure good adhesion.

Figure #1

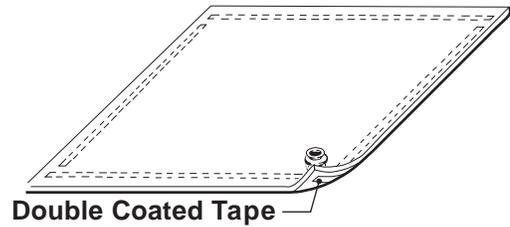


Tape is on top of mat

Applications requiring mats to be adhered inconspicuously to a substrate can be accomplished with the use of double coated tape. As in a typical taping application, the materials should be clean, dry, and flat.

The release liner should be removed from one side of the tape and then adhere the tape to the outside perimeter on the backside of the mat. Tape width should be at least 3/4 inch. After the tape is applied to the mat, remove the remaining release liner and adhere mat to the substrate. See Figure #2. For best results, position one area of the mat on the substrate and then gradually work away from that point in such a manner as to avoid premature contact which could cause wrinkles or bulges. The taped area should then be firmly pressed to ensure good adhesion.

Figure #2



Double Coated Tape

Tape is under mat

Tape

Tape	Color	Thickness
#950 3M BSD	Clear Trans.	.005" Adhesive
#4930 3M BSD	White Dbl. Ctd. Foam	.025"

Tape

Tape	Color	Thickness
#472 3M ITSD	Black	.010"
#471 3M ITSD	Clear	.007"

Foam tape #4930 should be used only for more permanent applications because removal of the mat may result in the the delamination of the mat's foam layer.

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