

1 **Supplemental Information & Instructions**
2 **for**
3 **409-026 Xtreme Dynamat Sound Barrier**
4 **Four sheets, 12" (305 mm) x 36" (914 mm) x 0.067" (1.7mm) thick.**

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6 **What Is It?**

7 Dynamat Xtreme is a patented, light-weight, elastomeric,
8 butyl and aluminum constrained-layer vibrational damper.
9 Dynamat Xtreme conforms and fuses easily to sheet metal and
10 other hard substrates. Material performance is
11 optimized for temperature ranges between -10°C to +60°C (14°F
12 to +140°F). Material can withstand temperature extremes between
13 -54°C to +149°C (-65°F to +300°F) and is highly resistant to
14 aging.



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16 Dynamat is most effective when the cockpit firewall and floor boards are completely covered. In British
17 cars, it is a very effective replacement for the black roofing felt applied to the floorboards to dampen
18 vibrations. Applying a layer to the inner surface of the door skin eliminates the tinny sound when you
19 close the door- it sounds more like closing the door of a large sedan.

20 **How Does it Work?**

21 The acoustic loss factor "n" is used as a measure of ability to damp structure-borne sound. It states how
22 much vibrational energy (in steel sheets for instance) is converted to heat rather than sound. For
23 constructions containing several layers of damping material, the combined loss factor "n comb" is used.
24 The theoretical maximum loss factor is 1 (no vibration). An undamped 1mm thick steel panel has a loss
25 factor of roughly 0.001 at 200 Hz. Dynamat Xtreme applied to that panel would increase the loss factor to
26 0.417 @ +20°C (+68°F), which is a huge improvement. Multiple layers of Dynamat Xtreme can be used to
27 improve sound damping further.

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29 **Installation**

30 The temperature of the mat and application surface should not be below room temperature during fitting.
31 Clean off the dust, grease, moisture, and other foreign matter from the application surface.
32 Carefully cut paper or cardboard patterns for the areas you want to cover.
33 Lay the patterns over the Dynamat sheets, fitting them together like a puzzle. This minimizes waste.
34 Cut out the pieces of Dynamat with scissors or utility knife.
35 Test fit the piece while the backing paper is still in place.
36 Peel off the release liner, bend the mat slightly and attach it along its shortest edge. Press the mat firmly
37 into place, preferably with a roller for larger pieces. This reduces the risk of leaving air pockets, which
38 reduce the sound damping effect.

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41 *Although every effort has been made to ensure the accuracy and clarity of this information, errors and/or*
42 *omissions on our part are almost inevitable. Any suggestions that you may have that will improve the*
43 *information (especially detailed installation notes) are welcome. Please use the simple email form on the*
44 *"Contact Us" page on the Moss website: <http://www.mossmotors.com/AboutMoss/ContactUs.aspx>*
45 *If you prefer, you may call our Technical Services Department at 805-681-3411. So many people call us for*
46 *help that we are often not able to answer the calls as fast as we'd like, and you may be asked to leave a*
47 *message. We apologize in advance for the inconvenience. We will get back to you within 2 business days.*
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51 **Moss Motors, Ltd.**

52 440 Rutherford Street, Goleta, California 93117
53 In the US & Canada Toll Free (800) 667-7872 FAX (805) 692-2510 (805) 681-3400

54 **Moss Europe Ltd.**

Hampton Farm Industrial Estate, Hampton Road West, Hanworth Middlesex, TW13 6DB
In the UK: 020-8867-2020 FAX:- 020-8867-2030