

Using SunMate® & Pudgee® to Customize a Motorcycle Seat

Materials Needed:

- SunMate® / Pudgee®
- an electric knife for cutting
- rasp shaver for shaping
- a can of FoamFast 3M74 clear spray adhesive

Which Foam and How Thick?

We have found through years of customer feedback that firmer SunMate® (blue foam) works well as a base. Most people start with 1" of Firm or Extra Firm as the bottom layer.

Softer layers are then added on top for comfort, support and weight distribution. Your weight and comfort preference determine the thickness and support pressure. ½"-1" of Medium-Soft, Medium, or Medium-Firm is typically used as the second or top layer.

For the ultimate in comfort, many riders will add a top layer of ½" to 1" Pudgee® (green foam). Pudgee helps eliminate vibration due to its gel-like properties, and will move with your body.

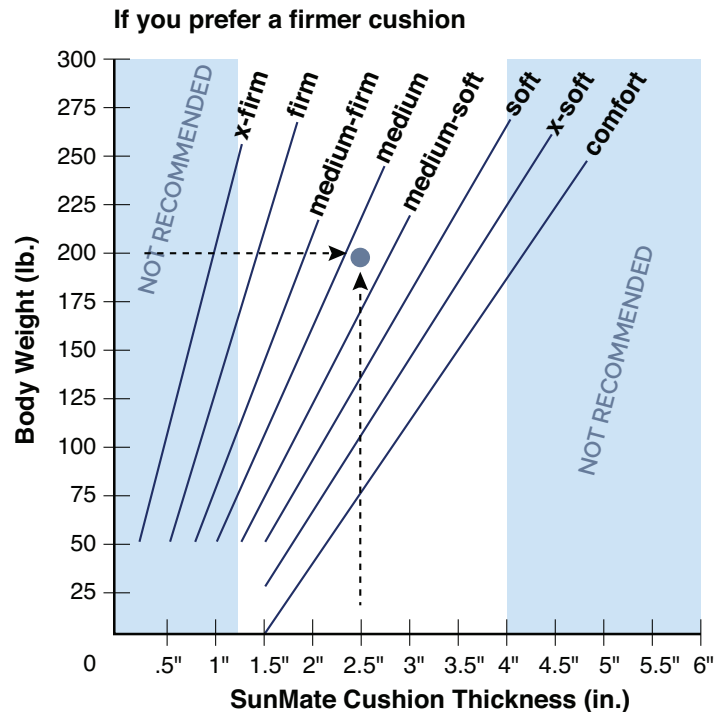
Putting It Together

After you've removed the area of stock foam you want to replace, cut the SunMate / Pudgee to size and use spray adhesive to glue the foam in place.

Trim and shape with an electric carving knife and rasp shaver. Depending on how the seat is modified, you can either re-use the existing cover or have a new one made.

Some riders have removed only the actual sitting area from their existing seats. This makes the retrofit easier for those who have seats with complex contours, who don't want to shape the entire seat.

Dynamic Systems sells a soft, elastic waterproof film barrier called Dureflex® to put between the foam and the seat cover. This film is 1.5 mil thick, 60" wide and costs \$5.50/yd.



The blue shaded areas of the chart represent cushion specifications that are usually not required. Cushions less than 1" thick generally do not provide maximum support, and are only recommended when layered with another cushion. Cushions more than 4" thick are usually in excess of body support requirements.



Photo courtesy of Mean City Cycles, Maiden, NC

"The thickness of the seat is determined by the rider's weight and height. By using different compressions of SunMate® [with] Pudgee®, we are able to maintain the original shape while incorporating the correct comfort. Most riders in TOURING SEATS can ride 600-800 mile days without pain. Most seats fail at 45 minutes due to the recycled foam in stock seats."

– Brian Snyder, A Sweet Seat/Stitch On Time
St. Petersburg, FL



SunMate Motorcycle Cushions



BY MPN STAFF WRITERS ON APR 22, 2015

PRODUCTS

Motorcyclists can minimize fatigue and ride longer and stronger with high-performance seating foam that contours to the body and absorbs the bumps and bruises of the road. SunMate and Pudgee premium cushion materials are used worldwide by manufacturers, bike shops and do-it-yourselfers to improve the comfort and performance of motorcycle seats and saddles.



The products are manufactured by Dynamic Systems Inc., a North Carolina-based company that develops highly specialized seating materials for use in military aircraft, heavy equipment, competitive sports vehicles and therapeutic medical settings.

Made of high-tech viscoelastic polyurethane, SunMate cushion material contours to the body and slowly springs back to its original shape once pressure is removed. Unlike memory foams made strictly for comfort, SunMate cushions combine soft pressure properties with firm support for good posture and impact absorption, making it an ideal material for the wear and tear of the road. And its open-cell structure maximizes airflow and minimizes heat buildup, keeping riders cool and comfortable.

SunMate is available in eight pressure-support levels, from extra-soft to extra-firm, to accommodate any body weight or weight-distribution need.

Riders looking for the ultimate comfort can top their SunMate retrofitted saddle with the super-soft Pudgee, a gel-like cushion that moves as the body moves. The breathable, open-cell material is cooling and promotes moisture wicking. Made of a viscoelastic material with a dough-like consistency, Pudgee is a smart and affordable alternative to solid gel cushions.

SunMate and Pudgee are climate adaptable and saddles can be made waterproof or fire resistant. The materials are easy to work with, requiring only an electric knife and spray adhesive to apply.

For more information: www.sunmategushions.com.



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