

# equestrian products by supracor

featuring Stimulite® honeycomb



Supracor.

Stimulite® Honeycomb:  
A Revolutionary Cushioning Technology

Using a sophisticated honeycomb technology derived from the aerospace program, Supracor created the first and only saddle pads that provide Total Pressure Management® — pressure relief, reduced shearing and ventilation to control heat and moisture — the key to preventing sore backs in horses.

Supracor saddle pads feature Stimulite honeycomb, a revolutionary cushioning material that has been proven to be highly effective in preventing and healing pressure sores among wheelchair users, and cancer and burn patients.

Manufactured from an advanced medical grade material that's antibacterial and antifungal, Stimulite honeycomb distributes weight uniformly over your horse's back to relieve pressure while providing exceptional stability. The honeycomb cells contour and flex with your horse's movements to absorb shock and prevent the saddle pad from slipping. Tiny perforations in the honeycomb cell walls circulate air and evaporate moisture so your horse's back stays cool and comfortable.

Easy to care for, simply sponge or hose off after use, shake to remove excess water and air dry.

Extensively tested by professional riders, Supracor's innovative product line is specifically designed to accommodate each riding discipline: English, Hunter/Jumper, Dressage, Western, Barrel Racing, Endurance and Racing. We also offer a Bareback and Training Pad that is ideal for developing a rider's "seat" and for therapeutic riding.



#### CLASSIC COOL GRIP® (ALL-PURPOSE)

Our award-winning, all-purpose Classic Cool Grip contours beautifully to your horse's back. Washable.

20" L x 19.5" W  
Black or white



#### CLASSIC COOL GRIP® COVER

Made from high-quality cotton in a customized quilted pattern, our half-pad cover is trimmed with your choice of 100% natural sheepskin or white fleece. Breathable wool on the underside works with the Cool Grip to promote ventilation. Machine washable.

21" L x 22" W  
Fleece trim (as shown)  
Sheepskin trim



#### HUNTER/JUMPER COOL GRIP®

The choice of champions, Supracor's Hunter/Jumper Cool Grip features a specially designed cutback wither area that cushions the pommel while allowing for optimal flexion of the horse's withers. Firmer honeycomb in the front section provides added protection. Washable.

19" L x 21" W  
22" L x 21" W  
Black or white



#### HUNTER/JUMPER COOL GRIP® COVER

Our Hunter/Jumper half-pad quilted cotton cover works with the honeycomb to keep the horse's back cool and comfortable. Breathable natural wool on the underside promotes ventilation. Available in natural sheepskin or white fleece trim. Machine washable.

21" L x 22" W  
24" L x 22" W  
Sheepskin trim (as shown)  
Fleece trim



#### DRESSAGE COOL GRIP®

Supracor's Dressage Cool Grip features an anatomically correct topline for high-withered breeds. Slightly thinner than Supracor's H/J Cool Grip for closer contact. Offers superb ventilation and stability. Washable.

21" L x 21" W

23" L x 21" W

Black or white



#### PERUVIAN COOL GRIP®

Contouring naturally to the Peruvian Paso horse's back, the Cool Grip cushions the pommel and allows for optimal flexion of the horse's withers providing freedom of movement, maximum shock-absorbing protection and ventilation to keep the horse cool and comfortable. Washable.

24" L x 38" W

Black



#### WESTERN COOL GRIP®

Our Cool Grip for western saddles features a natural lift for clearance over the withers. Designed to be placed directly on the horse's back without the need for additional padding, a Navajo blanket can be placed over the Cool Grip for showing. Washable.

30" L x 26" W

Black



#### RACING COOL GRIP®

Designed for racehorses, our ultra-lightweight, ventilated Cool Grip will keep your high-performance athlete's back cool and comfortable in the heat of competition. Features Stimulite honeycomb for exceptional shock-absorbing protection and stability. Slightly thinner for closer contact. Washable.

22" L x 27" W

Black or white



#### BARREL RACING COOL GRIP®

Our Barrel Racing Cool Grip distributes weight uniformly to relieve pressure, prevents the saddle from slipping and minimizes sweat, keeping your horse cool and comfortable in the heat of competition. Contouring beautifully to your horse's back, our ultra-lightweight Cool Grip for barrel racing saddles features a natural lift for clearance over the withers. Washable.

28" L x 38" W

Black



#### ENDURANCE COOL GRIP®

Ideal for English, Australian and Sport endurance saddles, place our specially designed Cool Grip directly on your horse's back for maximum shock absorption and heat dispersal, and to keep the saddle in place. Tested by competitive riders, this is the ultimate performance pad for the rigorous demands of endurance riding. Washable.

26" L x 38" W

28" L x 38" W

Black or white



#### BAREBACK & TRAINING PAD

An excellent training aid for developing a rider's "seat," the flexing action of the honeycomb cells allows the rider to feel the horse's movements. Features rings for attaching stirrups and breast collar covered with natural fleece for the rider's comfort, plus a girth strap padded with Stimulite honeycomb. Breathable wool on the underside works with the honeycomb to enhance ventilation. Ideal for therapeutic riding. Washable.

25" L x 35" W; Girth Strap: 29" L x 4" W  
(adjusts from 58" to 78")

Black ultrasuede with white fleece trim



#### SEAT SAVER

Once you've equipped your horse with a Supracor saddle pad, experience the same incredible comfort your horse enjoys with a Supracor Seat Saver, featuring a removable Stimulite honeycomb insert inside a plush ultrasuede cover. Fits most saddles. Washable.

16" L x 13.5" W

Black ultrasuede



#### THERAPEUTIC HONEYCOMB HOOF PAD

Designed to work just like the elastic horn tubules inside your horse's hoof — which naturally flex and compress to absorb shock — the honeycomb pad absorbs 40 times more impact than other leading hoof pads. Comprised of elastomeric material in a matrix of encapsulated air pockets, its unique cellular structure distributes weight across the hoof, providing the most impact resistance in the heel area where the initial shock occurs.

#2 Pleasure (5.75" x 5.75"), #4 Pleasure (6.5" x 6")  
 #5 Draft (7" x 6.5"), #6 Draft (8.25" x 8.25")



#### ANIMAL WASH MITT

Now you can give your horse a stimulating massage while bathing with our versatile wash mitt. The mitt easily removes dirt while the flexing action of the honeycomb cells stimulates blood flow to promote healthy skin. Perforations in the honeycomb cells create a foamy lather with just a pinch of soap. After rinsing, use the mitt in place of a sweat stick to remove excess water. Naturally antifungal and antibacterial, it quickly rinses clean, resists mildew and never gets soggy.



#### STIMULITE® HONEYCOMB SCRATCH PAD

Give your horse a safe and effective way to scratch anytime she feels the urge. This is the ultimate scratch pad that not only relieves the itch but provides a stimulating massage as the honeycomb cells flex with movement. Our resilient Honeycomb Scratch Pad is naturally antimicrobial, durable and long lasting outdoors. Mount with grommets provided.

24" x 68" x 0.375"



#### STIMULITE® PET MATS

Your pet will love our Stimulite Pet Mat. The honeycomb comfortably supports body weight while circulating air and evaporating moisture. Comes with a dual-climate, reversible cover of stretchable poly/cotton (cool) and stretchable sheepskin (warm). Attractive enough to be included in any room of the house. Washable.

Small 20" x 30" x 1"  
 Medium 28" x 40" x 1"  
 Large 38" x 48" x 1"  
 Black or natural wool cover

## Total Pressure Management®



Supracor's revolutionary saddle pads, featuring Stimulite® honeycomb, provide Total Pressure Management—pressure relief, shear force reduction and ventilation—to prevent sore backs in horses.

A soft, flexible form of aerospace honeycomb, Stimulite's cellular matrix is over 90% open space. It's comprised of alternating thick- and thin-walled cells that are fusion bonded without adhesives and have "memory" to create high-performance saddle pads that are flexible and light, yet strong and resilient.

### PRESSURE RELIEF

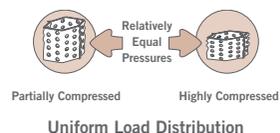
Stimulite honeycomb relieves pressure by distributing weight uniformly over the horse's back. As a result, bony areas "feel" the same pressure as the surrounding anatomy. The honeycomb cells flex when compressed to absorb shock and promote blood flow. Stimulite is anisotropic having multiple degrees of resistance (in its length, width and thickness) which enables it to contour to the horse's back and redistribute pressure over a much wider area than conventional saddle pads.

### SHEAR FORCE REDUCTION

The horizontal stiffness of a material determines both its shear resistance and stability. Too much stiffness increases shear forces, while too little decreases stability. Stimulite honeycomb minimizes shearing without sacrificing stability. The honeycomb cells align themselves perpendicular to the horse's back and flex with movement to reduce shear forces against the skin. Stimulite's resilient cellular structure helps keep the saddle pad securely in place, eliminating rubbing and chafing.

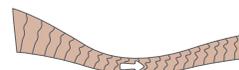
### VENTILATION

To help maintain skin integrity, perforated honeycomb cells circulate air and evaporate moisture to disperse heat and minimize sweat so the horse's back stays cooler, healthier and more comfortable. High-quality, breathable wool on the underside of the covers work with the Cool Grip® saddle pads to promote ventilation.



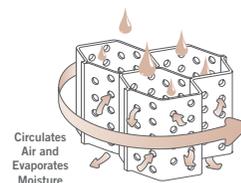
### Anisotropic Properties

1. "T" Direction—Greatest compressive resistance
2. "L" Direction—Excellent lateral stability
3. "W" Direction—Greatest flex while maintaining stability



Minimal Shearing of Tissues

**Diffuses Lateral Forces**



**Complete Ventilation System**



Photo by: Charles Mann

Supracor is the originator of fusion-bonded honeycomb technology, a flexible form of aerospace honeycomb utilized in products that promote the health and safety of people and animals.

Initially applied to wheelchair cushions and hospital mattresses for pressure sore prevention, Supracor's Stimulite® honeycomb is the basis of a revolutionary line of equestrian products that provide shock-absorbing protection and maximum ventilation.

A versatile, engineered material, Supracor's shock-absorbing honeycomb can be found in high-performance applications such as bullet-proof vests, sports protective equipment and bumpers for amusement park rides.

Supracor's sustainable products are exclusively made in California's Silicon Valley from American-made, eco-friendly materials.

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