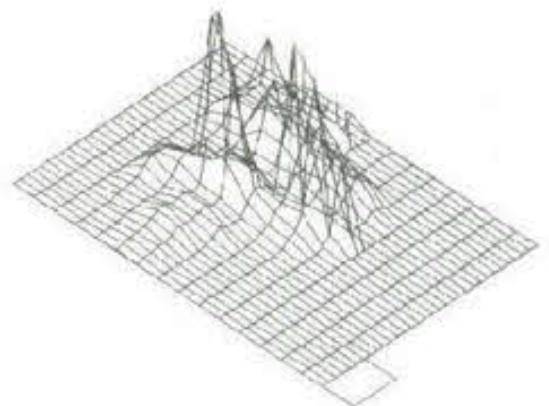
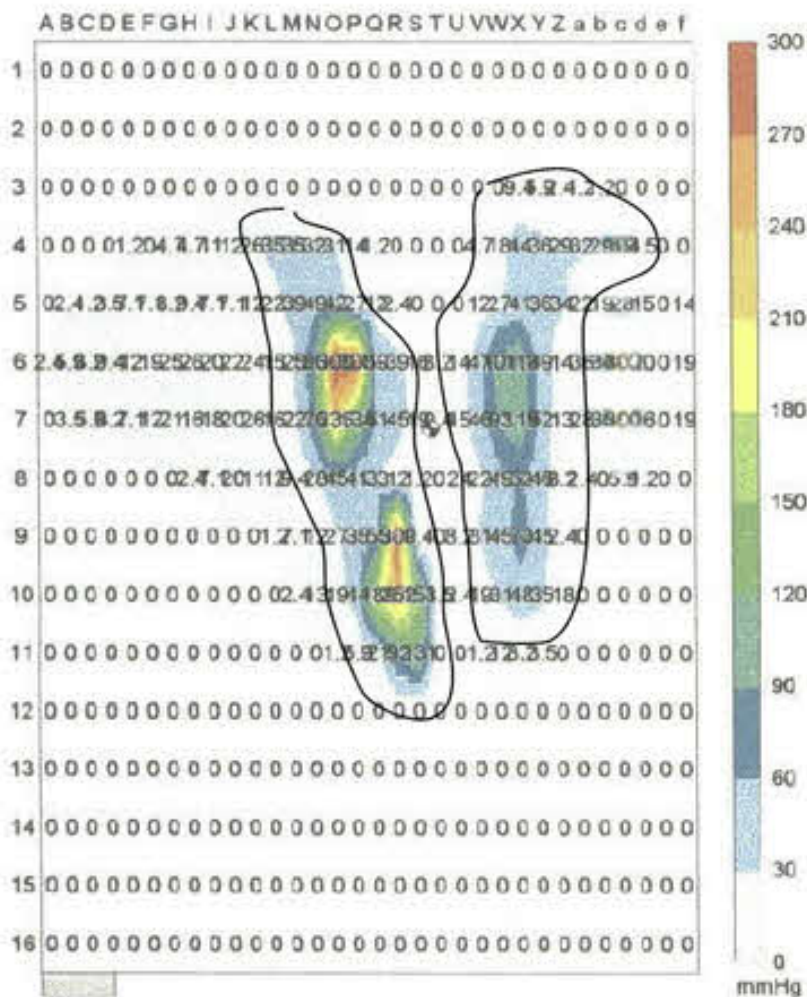


Saddle Pressure on the horse's back: comparing a flocked saddle and a *FuE* saddle

Flocked saddle:

(Horse's head this end)



3D image of the pressure map showing the wide range of pressures on the horse's back with some peaks greater than 5 psi

Pressure map - *flocked saddle* reputed to be well fitting

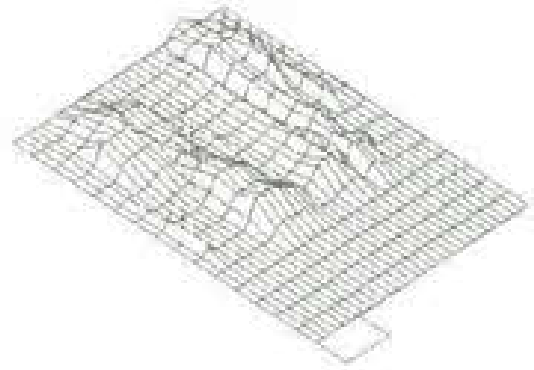
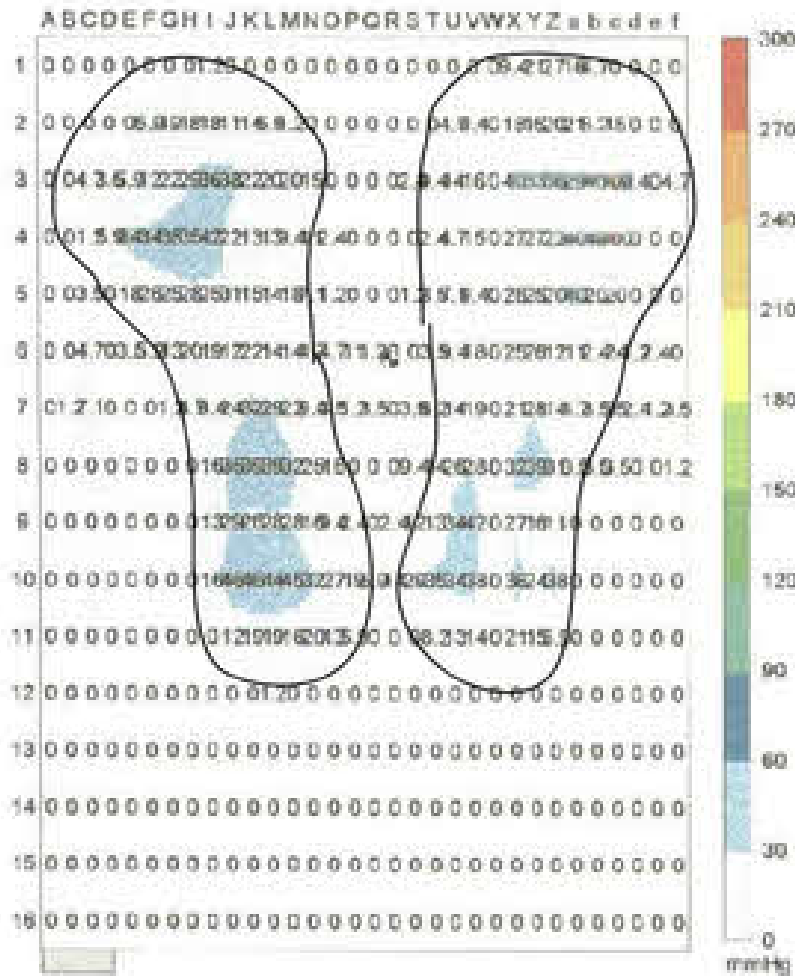
These examples of pressure distribution between the saddle and the horse's back were arranged by [Marlene Moss](#) of [Kinetic Equine Analysis](#). The measurements were taken independently of *FuE* by a vet in the US and given to our US distributor [Moss Rock Endurance](#).

The red areas show relatively high pressure, about 5 pounds per square inch. The white areas show low pressure less than about half a pound per square inch. In the picture above you can see that the contact area, approximated by the black line, is small so the pressure is high.

The rider, saddle and stirrups weigh about 11 stone (158lbs or 72kg - rider is about 9 1/2 stone), so it can be seen that quite a light rider can cause significant pressure peaks with the small contact surface area of the conventional *flocked* panels. This should be compared to the map for the *FuE* saddle the on the next page.

FnE saddle

(Horse's head this end)



3D image of the pressure map showing a narrow range of pressures on the horse's back all less than 1psi with a significantly increased contact area.

The pressure map above is that of the *FnE* saddle, with the same horse and rider as in the map on the previous page. You will notice the much larger surface area in contact with the horse's back which results in the pressure being much lower, less than 1 pound per square inch (psi). Most is on the white part of the scale so is lower than 1/2 pound per square inch.

This pressure mapping clearly demonstrates that the *FnE* saddle does NOT produce the typical 'four point' bridging pressure often demonstrated with the flocked panel saddles. The panel and tree have been carefully designed for even pressure distribution over the horse's back when correctly fitted.

Special note: When comparing saddle pressure maps there can be significant calibration errors between the maps. For more information [click here](#)

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The *FnE* saddle puts low and well distributed pressure on the horse's back. This enables the back muscles to work and develop properly.