



PEGASUS

LUNATEC MOTION

We are constantly on the move: walking, running, jumping, standing, which means a lot of pressure and straining on our feet and joints. Every step subjects them to compressive, impact, and shearing forces that must be reduced, above all for patients with painful foot or joint diseases, e.g. rheumatism.



Developed specifically for this purpose, the new EVA material Lunatec motion has been developed to reduce shearing forces caused by walking, and remove a large part of the load of the musculoskeletal system, and therefore the pain.

Lunatec Motion has been specifically designed to absorb shear forces. (See in house test data sheet attached against a low density EVA).

We have two options in the material Motion or Motion 20. The difference is Motion will withstand a patient weight range of up to 90KG, Motion 20 will take a load of 130KG.

- **Pro-EVA is closed cell** - This means the material will limit any fluid being absorbed and it can be wiped clean
- **Con-Poron is open cell** - This means any wound with leakage is being absorbed and spat back out of the material, a bit like a sponge so it's much less hygienic
- **Pro-EVA** - can be heat moulded this is key especially when working with a complicated foot shape like a CMT patient
- **Con-Poron** - can't be formed with heat and easily tears when being pulled over a shape such as high arch or deep heel cup

- **Pro-EVA** - durable and will not tear or crack like a P.U. also this material does not need any additional top cover
- **Con-Poron** - shiny top surface that unless removed or covered will actually increase shear force as its no ability to grip the foot.

SOME OTHER CONSIDERATIONS

Motion does not function like a P.U material, it will not return to its natural shape after use. Motion EVA is a bedding material which will compress and conform under load.

All recent data has have proven that even under constant compression for 18 months the material still keeps its ability to absorb shear.

All the latest metanalysis research over the past 48 months, has categorically proven that shear forces are the most destructive tissue killer in the at risk foot.