

PHUD / WOOMF

BOULDERING MATS

ALPKIT.COM
PRODUCT INFORMATION

Identifying what is a good mat over a bad mat could save you a painful walk from the boulders. The heart of every boulder mat beats to the strength of its foam. There are two types of foam in our mats; closed cell and open cell. The closed cell foam (the harder of the two) disperses the impact of your landing through to the thicker, softer open cell foam. We experimented with many different closed cell foams to find one with the following characteristics;

- Ability to disperse an impact
- Durability over time
- Weight
- Shock absorption if the open cell foam bottoms out
- Doesn't cost the earth

We have chosen a cross-linked closed cell foam as its treated cell structure has been shown to last up to 7 times longer than a non cross-linked foam.

The open cell foam takes the real shock out of a fall, slowing your body down to a safe speed. Gym mats are made entirely from a very soft, very thick open cell foam because weight and size is not a consideration for a stationary mat. The balancing act in choosing a suitable open cell foam for a boulder mat is finding a foam that when combined with a layer of closed cell foam, will absorb both a high fall landing on to your feet, as well as a low fall directly on to your back. The mat also needs to recover quickly as it has to be able to absorb the next fall. We have taken a foam developed for the automotive industry that has been treated to exhibit a higher load

bearing capacity than its density would suggest. This ultimately means you can have a thicker mat without the weight penalty.

Phud has lower density foams than Woomf but thicker layers, this makes him a bit more of a performer than Woomf, which uses three layers of higher density foam to absorb your fall.

Boulder mats	Phud	Woomf
Thickness /cm	10	8
Open size /cm	130x100	100x75
Closed size /cm	65x100x20	75x50x16
Weight /kg	5	3.5
Foam layers	2	3
Top layer/cm	2	2
Mid layer/cm	8	5
Base layer/cm	-	1
Shell	Ballistic Nylon / 500d Kodra	

Our family of boulder mats use the best foam we can find with a no messing construction to offer what we believe to be the best value boulder mats in the world. Full stop.

updated: 24/02/2009

PHUD vs. WOOMF

The foam layering systems in our different mats and their shock absorbing abilities.



Phud's single layer of softer closed cell foam is thicker enabling to disperse the force across a larger area of open cell foam.



If you bottom out Phud's 80mm of foam you still have 20mm of closed cell foam to absorb the hit from underlying rocks.



Woomf's denser closed cell foam is split into two layers. If it were a single layer it would be too hard and may cause jarring on impact.



Woomf's lowest layer of closed cell foam disperses the force from underlying rocks into the open cell foam before combining with the upper layer to provide a last line of defence.



Phud's 80mm of open-cell foam slows you down over a greater distance. As the foam compresses it increases its resistance to compression. Phud's softer but thicker landing zone will provide a much more comfortable landing when landing across a larger area of the mat.



Woomf's 50mm of foam is denser than Phud as it must absorb similar forces over a smaller distance. Woomf's upper layer of closed cell foam is also denser (stiffer) to disperse the force across a larger area of the open cell foam. This makes Woomf a harder landing than Phud.

Care and cleaning - your mat will take a beating in its lifetime so throw it a bone and look after it. If you have been caught out in the rain open up the velcro and let it dry out. From time to time you may wish to wash the shell, you can do this with out removing the foam by scrubbing the outer with a stiff brush and soapy water. Open the velcro and let the mat

air to dry. Be careful if you remove the foam as we do not cover this as a warranty claim. Although solid inside the shell it can be surprisingly delicate when removed.

Repairing your mat - if you use your mat on sharp rocks it is likely that sooner or later you will puncture the shell. In this case we can provide you with some patches. Just let us

know which pad and colour you have. Placing a hard surface behind the damaged area will protect the foam and allow you to get a better contact when applying the patch. Apply a contact adhesive to both surfaces and leave to cure. In the unlikely event of a major tear we can sell you the shell separately.

Replacing the foam - is your foam

spent? No problem we can sell you more foam. Take care when replacing the foam as you can tear the shell. We find the best way to insert the foam is to take the two layers and fold it in half. Push one corner into place, before pushing the second in. Open it out and jump on it a few times to bed in the foam before closing the velcro.

Online product information at: www.alpkit.com/support/

CUSTOMER SUPPORT
Alpkit Ltd
Unit B1 The Ropewalk Ind. Est.,
Ilkeston, DE7 5HX.
Online: www.alpkit.com/support
Email: help@alpkit.com
Tel: +44 (0)115 932 5050