

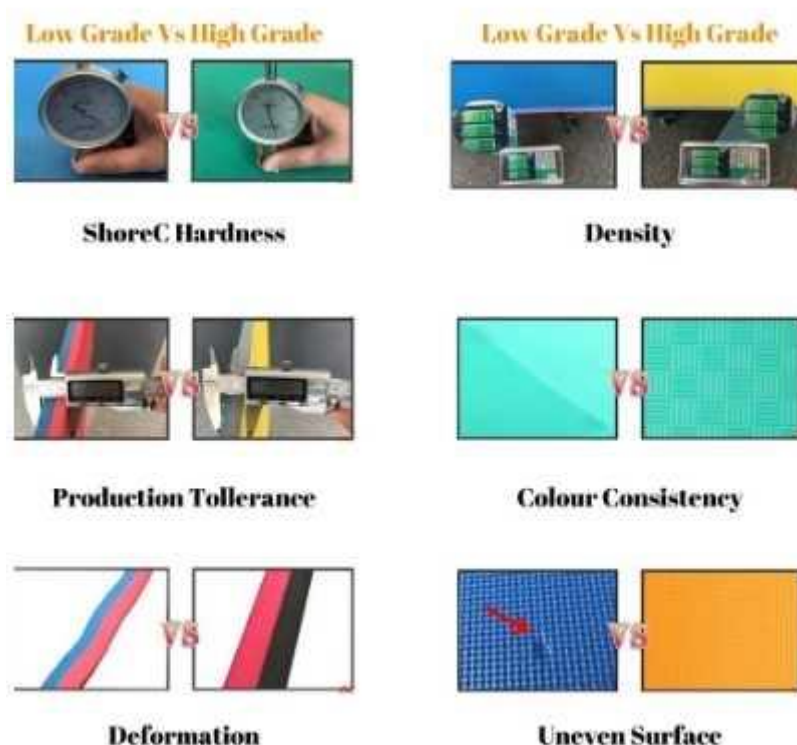
## Will British Martial Arts Jigsaw Mats fit my existing mats?

Matching a different manufacturers mat to BMAM's can always be tricky. This is because each manufacturer can have different production processes and tolerances, jigsaw teeth configuration, mat grip and EVA balance e.g. density, hardness and colour differences. You are better off going back to your existing supplier as matching a mat from a document like this cannot guarantee 100% that it will work out for you. It can however eliminate obvious differences.

### Why is that?

#### Production tolerances

Manufacturers, especially at the low end of the market have wide tolerances in quality assurance to cut costs. This means that they might pass a batch of mats that could be 10-15mm larger or smaller than a previous batch. This means that your mat teeth will be offset and despite a lot of kicking and screaming just won't fit. The same goes for mat thickness.



Colour, the RAL code from manufacturers is often different. For example, our Judo mats "Red" colour has a hint of orange. Each manufacturer either has different colour shades or has a wide variation of colours. This can be of particular concern for those engaged in photography or video images.

#### Mat Density

Generally, the higher a mats density the more impact it will absorb and more durable it is. Density is measured in kilograms per cubic meter, kg/cbm or how much material is packed into a cubic meter. Higher density mats will feel firmer under foot when compared to the same material. Something that can't be easily checked online but we can send free small samples. For example, visually the

following mats are exactly the same. The difference is the density. If you squeeze them, you will notice a difference, walking on them or weighing them are good ways to test.

<https://jigsawmats4martialarts.co.uk/product/kickboxing-mats-20mm-red-blue-80kg-cbm-dimple-grip/>

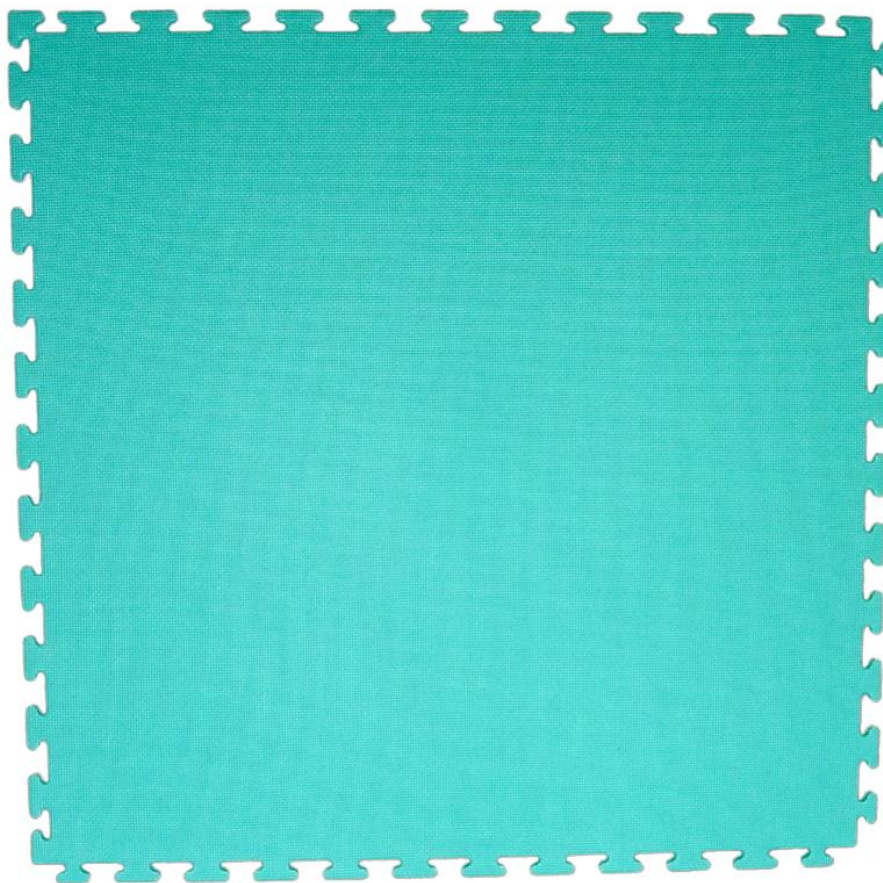
<https://jigsawmats4martialarts.co.uk/product/20mm-jigsaw-mats-red-blue-120kg-cbm-dimple-effect-pattern-premier-mat/>

## Hardness

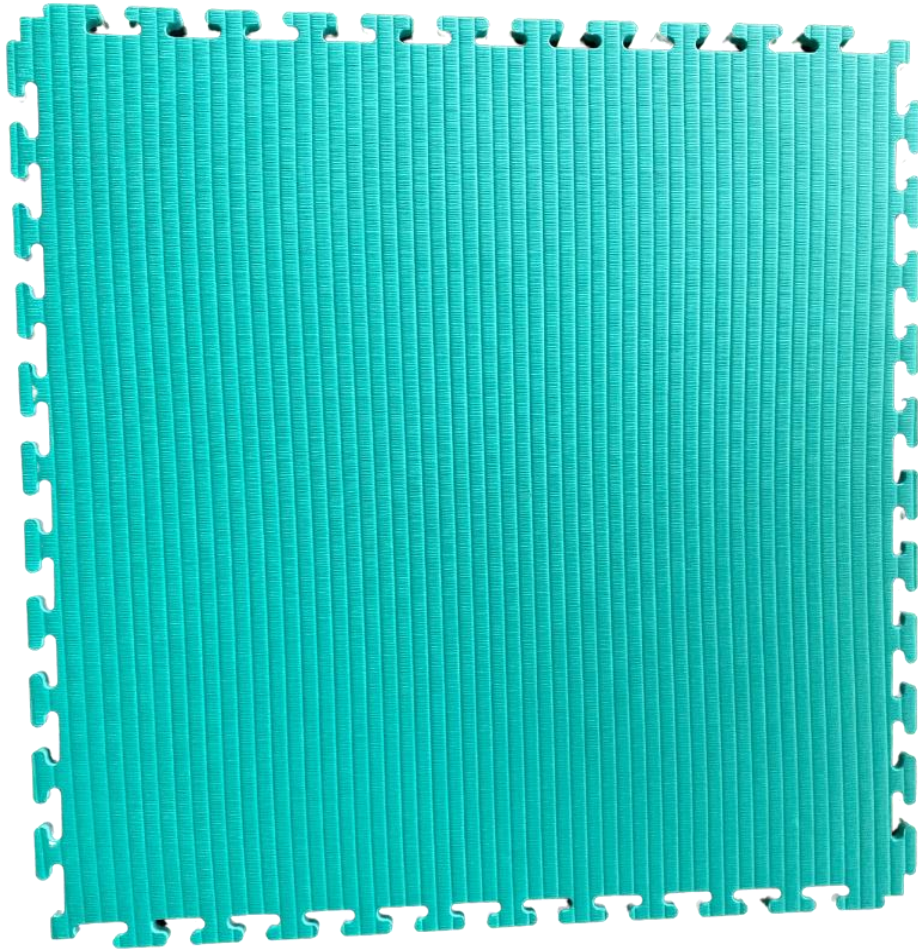
Mat hardness is a measure of how much force is required to push a needle through the skin of the mat. You can have a high degree of hardness while still having a low-density mat. Production tolerances also apply. Measured with a durometer in Shore-C.

## Teeth Configuration

### 20mm Jigsaw teeth



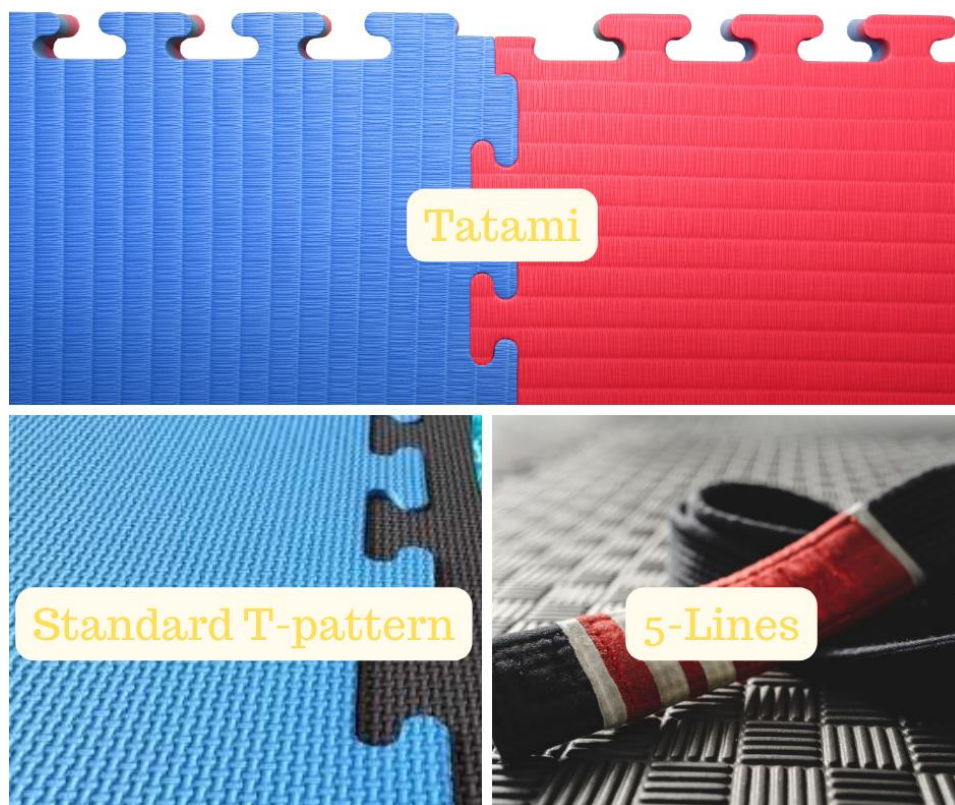
30mm and 40mm jigsaw teeth.





## Grip

There are dozens of different grips in the market. At BMAM we generally use 3 types as below. Bear in mind that some manufacturers might have variations of these that are similar but not exactly the same.



## Material Type

The majority of jigsaw mats are made from EVA. However, some are made from [XPE](#) material which is completely different feel, bounce, density and grip out of the bag. There are also some EPE and hybrid mats out there.

What if my old manufacturer is not around or I don't know who they are?

You can follow the above tests, get a free small sample from us and even purchase a single mat to test. If all else fails you can put the flat edging back on both sets of mats and butt them together. You might need to tape the unjointed edges or either border them in or fit to the room.

If you are still in doubt just get in touch and we are happy to help.

Supporting blog

[ARE ALL MARTIAL ARTS MATS THE SAME? KEY CONSIDERATIONS FOR MARTIAL ARTS ENTHUSIASTS](#)

