

DON'T LOOK DOWN UPON YOURSELF. EVERYONE HAS HIS UNLIMITED POTENTIAL.



BRILLIANT TECHNICAL LIES IN PROFESSIONAL WORK AND DONE CAREFULLY;  
SUCCESSFUL BUSINESS LIES IN INDUSTRIOUSNESS AND CONTINUED WITH SINCERITY.

## GYM SERIES

All for your service needs!



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# Catalogue

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## Enterprise Introduction

Hangzhou Green-Valley Rubber Products Co., Ltd is a very young company. It is established by Jenny Yu in 2007 in Hangzhou, China. With the support of our customers and professional workforce, we have been growing rapidly and become a leading manufacturer of rubber flooring in China.

In the beginning, we only produce 50x50cm rubber tiles for children's playground. After receiving very good feedbacks and reputation, we keep developing some new products like 200x160mm bone shape tiles, 1mx1m tiles, interlocking tiles, etc.

In 2009, a new rubber roll production line was put into use. With many times of trying out, failure, we got the best formula, production technology and raw materials. Since then, our rubber rolls have been used widely in both domestic and overseas market.

In 2017, due to the expanding of production capability to meet customers' demand, we moved our factory to Ningguo, Anhui province, where we increased more machines and production lines. Until now, we have over 30 different sizes & styles rubber flooring products including 50x50cm tiles, brick tiles, equine mats, tactile tiles, rubber rolls, interlocking mats, etc. Covering an area of 37 acres, Production capacity has reached 2 million square meters per year. They are used in: children's playground, fitness centers, running tracks, underlayment, municipal projects, parks, patio, sport courts, shooting ranges, etc.

All of our products pass CE, EN71, EN1177, EN14041, PAHs, REACH, ISO, etc certification. They are exported to more than 40 countries such as UK, Germany, Finland, Spain, Poland, Turkey, Saudi Arabia, UAE, Japan, Australia, USA, Canada, Colombia, etc..

We will keep dedicating to protecting environment, developing and providing high quality products to worldwide customers with good quality and delivery assurance.



### Corporate Vision

Brilliant technical lies in professional work and done carefully;  
Successful business lies in industriousness and continued with sincerity.

### Corporate Slogan

Don't look down upon yourself. Everyone has his unlimited potential.

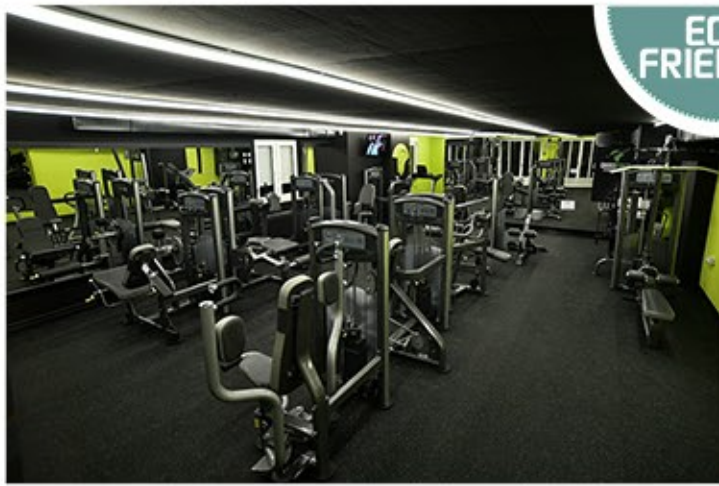
### Corporate Mission

Creativity is money; Planning shows achievements;  
Getting rich by thinking.

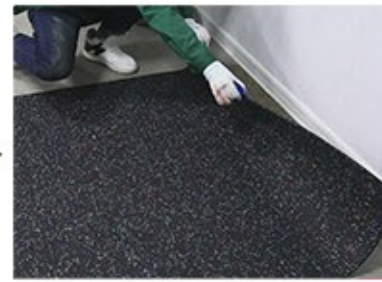
### Corporate Culture

Every life is the miracle of the nature;  
Our energy must be given play to the most extent.





**ECO-FRIENDLY**



GREEN VALLEY RUBBER ROLLS ARE MADE OF SBR RUBBER GRANULES AND EPDM RUBBER GRANULES, ALL MATERIALS ARE NATURAL RUBBER, SYNTHETIC RUBBER AND ENVIRONMENTAL POLYMERS. POSSESS FEATURES LIKE HIGH-ELASTIC, ANTI-SLIP, SOUND-ISOLATION AND SHOCK ABSORPTION. THEY ARE WIDELY USED IN FITNESS PLACES AND NOISY PLACES.



## PRODUCT DETAILS

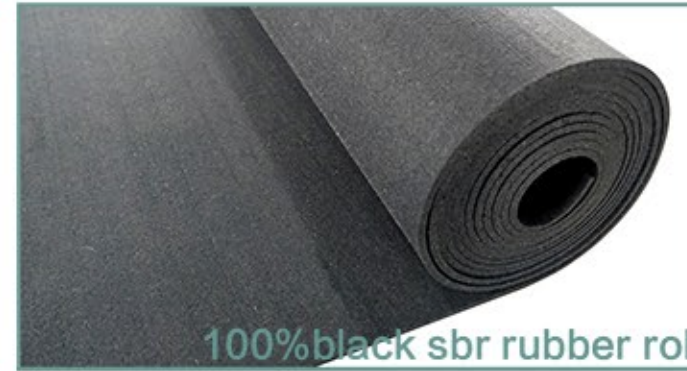
|                        |  |
|------------------------|--|
| Product name           | Gym rubber roll  |
| Product Application    | Gym floor, yoga room, fighting sports floor, ice rink, ski resort, indoor golf course, expo floor, can also be laid under other indoor floor for shock absorption. |
| Product colors         | Any color can be customized.   |
| Product material       | 1.SBR<br>2.EPDM<br>3.EPDM+SBR  |
| Product specifications | Width: 0-1.25m<br>Length: 0-30m<br>Thick: 2-18mm   |
| Product weight         | 1.SBR : 1.07kg/m <sup>2</sup> /mm<br>2.EPDM : 1.5kg/m <sup>2</sup> /mm<br>3.SBR+EPDM : 1.2kg/m <sup>2</sup> /mm  |
| Product density        | 1.075g/cm <sup>3</sup> —1.500g/cm <sup>3</sup>   |

## CASES

ECO-FRIENDLY WITHOUT POLLUTION, COLORFUL, ANTI-SKID WEAR-RESISTING, SOUND INSULATION AND SHOCK ABSORPTION, LONG LIFESPAN, EASY CLEANING.



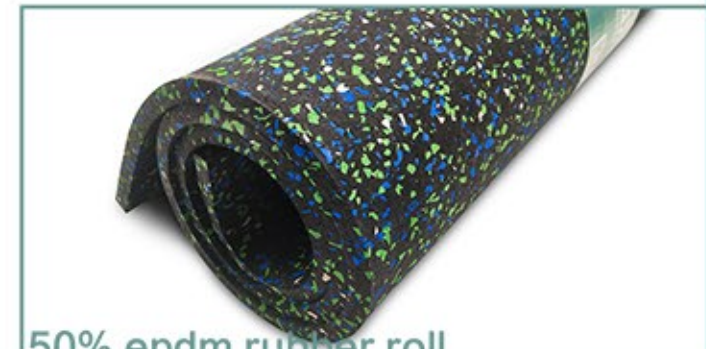
## TECHNICAL DATA



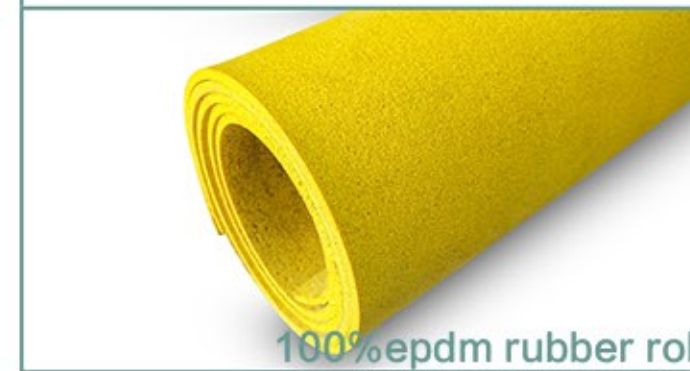
| Test item                  | Test method          | Test result            | Pass/Failed |
|----------------------------|----------------------|------------------------|-------------|
| Density                    | DIN ENISO 1183-1     | 1.360g/cm <sup>3</sup> | Pass        |
| Hardness                   | DIN ENISO 53505:2000 | 63Shore                | Pass        |
| The tensile strength       | DIN 53504:2009       | 0.65-1.83Mpa           | Pass        |
| Elongation at break        | DIN 53504:2009       | 94-350.3%              | Pass        |
| Resistance to bending      | HG/3747.1-2017       | no cracks              | Pass        |
| Reduce the sound of impact | GB/T50121            | 55-63dB                | Pass        |
| Soluble lead content       | GB18586-2001         | 0.93mg/m <sup>2</sup>  | Pass        |
| Soluble cadmium content    | GB18586-2001         | ND                     | Pass        |
| Volatile content           | GB18586-2001         | 9.2g/m <sup>2</sup>    | Pass        |

| Test item                  | Test method          | Test result            | Pass/Failed |
|----------------------------|----------------------|------------------------|-------------|
| Density                    | DIN ENISO 1183-1     | 1.075g/cm <sup>3</sup> | Pass        |
| Hardness                   | DIN ENISO 53505:2000 | 59Shore                | Pass        |
| The tensile strength       | DIN 53504:2009       | 0.65-1.62Mpa           | Pass        |
| Elongation at break        | DIN 53504:2009       | 76-350%                | Pass        |
| Resistance to bending      | HG/3747.1-2017       | no cracks              | Pass        |
| Reduce the sound of impact | GB/T50121            | 55-63dB                | Pass        |
| Soluble lead content       | GB18586-2001         | 0.93mg/m <sup>2</sup>  | Pass        |
| Soluble cadmium content    | GB18586-2001         | ND                     | Pass        |
| Volatile content           | GB18586-2001         | 9.2g/m <sup>2</sup>    | Pass        |

01



50% epdm rubber roll



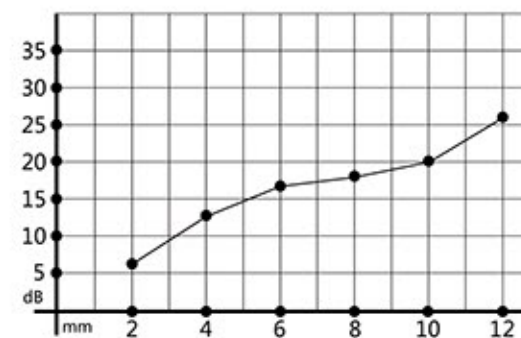
100%epdm rubber roll

| Test item                  | Test method          | Test result            | Pass/Failed |
|----------------------------|----------------------|------------------------|-------------|
| Density                    | DIN ENISO 1183-1     | 1.500g/cm <sup>3</sup> | Pass        |
| Hardness                   | DIN ENISO 53505:2000 | 63Shore                | Pass        |
| The tensile strength       | DIN 53504:2009       | 0.67-2.16Mpa           | Pass        |
| Elongation at break        | DIN 53504:2009       | 114-350.3%             | Pass        |
| Resistance to bending      | HG/3747.1-2017       | no cracks              | Pass        |
| Reduce the sound of impact | GB/T50121            | 55-63dB                | Pass        |
| Soluble lead content       | GB18586-2001         | 0.93mg/m <sup>2</sup>  | Pass        |
| Soluble cadmium content    | GB18586-2001         | ND                     | Pass        |
| Volatile content           | GB18586-2001         | 9.2g/m <sup>2</sup>    | Pass        |

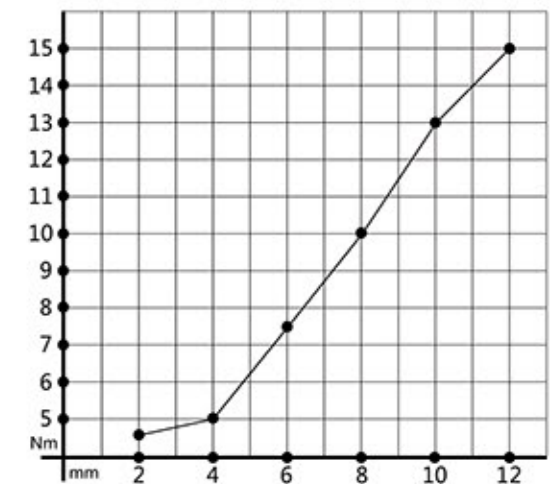
03

## TECHNICAL DATA CHART

Reduce the sound of impact



Impact resistance ratio







## — Composite rubber tile —

Composite rubber tile is composite of rubber roll and SBR rubber granules. With bright colors and soft texture it is perfect for gym equipment areas.



## PRODUCT DETAILS

|                        |  |
|------------------------|--|
| Product name           | Composite rubber floor tile  |
| Product Application    | Gym equipment area, boxing arena, expo floor and can also be laid under other indoor floor.                  |
| Product color          | Any color can be customized.   |
| Product materials      | 1.SBR<br>2.EPDM<br>3.EPDM+SBR  |
| Product specifications | Length & width:<br>500x500mm 500x1000mm 1000x1000mm<br>Thick: 15-80mm other specifications can be customized |
| Product weight         | 3.2kg/pc-64kg/pc   |
| Product density        | 0.820g/cm <sup>3</sup> -1.002g/cm <sup>3</sup>   |



## TECHNICAL DATA

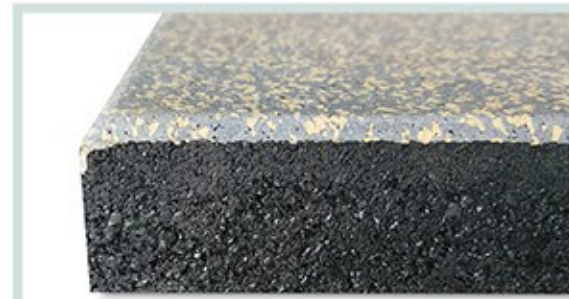


### 15mm Composite rubber tile

| Test item                  | Test method           | Units             | Limit     | Test result              |
|----------------------------|-----------------------|-------------------|-----------|--------------------------|
| Density                    | DIN EN ISO 1183-1     | g/cm <sup>3</sup> |           | 0.820                    |
| Hardness                   | DIN EN ISO 53505:2000 | Shore A           |           | surface : 58 bottom : 31 |
| The tensile strength       | DIN 53504:2009        | Mpa               |           | 0.79                     |
| Elongation at break        | DIN 53504:2009        | %                 |           | 151                      |
| Resistance to bending      | HG/3747.1-2017        | Φ20mm             | No cracks | No cracks                |
| Reduce the sound of impact | GB/T50121             | dB                | < 65      | 63                       |
| Soluble lead content       | GB18586-2001          | mg/m <sup>2</sup> | ≤20       | 0.93                     |
| Soluble cadmium content    | GB18586-2001          | mg/m <sup>2</sup> | ≤20       | ND                       |
| Volatile content           | GB18586-2001          | g/m <sup>2</sup>  | ≤50       | 9.2                      |

### 25mm Composite rubber tile

| Test item                  | Test method           | Units             | Limit     | Test result              |
|----------------------------|-----------------------|-------------------|-----------|--------------------------|
| Density                    | DIN EN ISO 1183-1     | g/cm <sup>3</sup> |           | 0.820                    |
| Hardness                   | DIN EN ISO 53505:2000 | Shore A           |           | surface : 58 bottom : 31 |
| The tensile strength       | DIN 53504:2009        | Mpa               |           | 1.10                     |
| Elongation at break        | DIN 53504:2009        | %                 |           | 189                      |
| Resistance to bending      | HG/3747.1-2017        | Φ20mm             | No cracks | No cracks                |
| Reduce the sound of impact | GB/T50121             | dB                | < 65      | 61.7                     |
| Soluble lead content       | GB18586-2001          | mg/m <sup>2</sup> | ≤20       | 0.93                     |
| Soluble cadmium content    | GB18586-2001          | mg/m <sup>2</sup> | ≤20       | ND                       |
| Volatile content           | GB18586-2001          | g/m <sup>2</sup>  | ≤50       | 9.2                      |

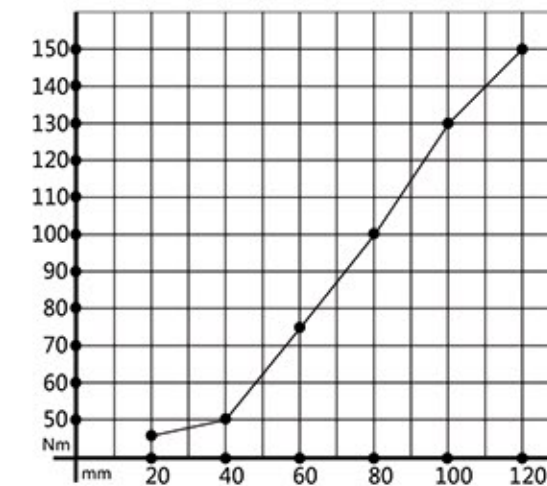


### 50mm Composite rubber tile

| Test item                  | Test method           | Units             | Limit     | Test result              |
|----------------------------|-----------------------|-------------------|-----------|--------------------------|
| Density                    | DIN EN ISO 1183-1     | g/cm <sup>3</sup> |           | 1.002                    |
| Hardness                   | DIN EN ISO 53505:2000 | Shore A           |           | surface : 58 bottom : 31 |
| The tensile strength       | DIN 53504:2009        | Mpa               |           | 1.98                     |
| Elongation at break        | DIN 53504:2009        | %                 |           | 223                      |
| Resistance to bending      | HG/3747.1-2017        | Φ20mm             | No cracks | No cracks                |
| Reduce the sound of impact | GB/T50121             | dB                | < 65      | 61                       |
| Soluble lead content       | GB18586-2001          | mg/m <sup>2</sup> | ≤20       | 0.93                     |
| Soluble cadmium content    | GB18586-2001          | mg/m <sup>2</sup> | ≤20       | ND                       |
| Volatile content           | GB18586-2001          | g/m <sup>2</sup>  | ≤50       | 9.2                      |

## TECHNICAL DATA CHART

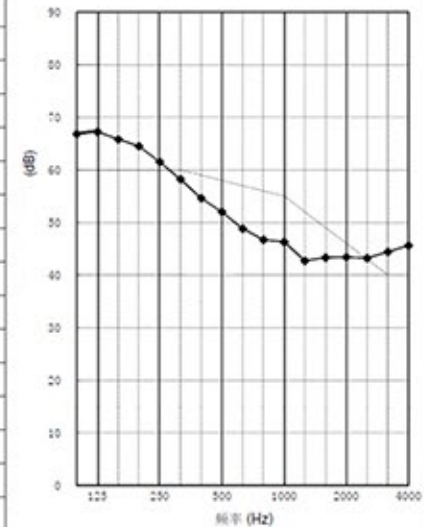
### Impact resistance ratio



### Normalize the spectrum of impact pressure levels

| Frequency f(Hz) | L <sub>1,w</sub> (dB) | L <sub>1</sub> (dB) | ΔL (dB) |
|-----------------|-----------------------|---------------------|---------|
| 100             | 67.0                  | 66.8                | 0.2     |
| 125             | 67.5                  | 67.2                | 0.3     |
| 160             | 68.0                  | 65.8                | 2.2     |
| 200             | 68.5                  | 64.5                | 4.0     |
| 250             | 69.0                  | 61.5                | 7.5     |
| 315             | 69.5                  | 58.2                | 11.3    |
| 400             | 70.0                  | 54.6                | 15.4    |
| 500             | 70.5                  | 52.0                | 18.5    |
| 630             | 71.0                  | 48.8                | 22.2    |
| 800             | 71.5                  | 46.7                | 24.8    |
| 1000            | 72.0                  | 46.3                | 25.7    |
| 1250            | 72.0                  | 42.7                | 29.3    |
| 1600            | 72.0                  | 43.3                | 28.7    |
| 2000            | 72.0                  | 43.4                | 28.6    |
| 2500            | 72.0                  | 43.2                | 28.8    |
| 3150            | 72.0                  | 44.4                | 27.6    |
| 4000            | 72.0                  | 45.6                | 26.4    |

ΔL<sub>w</sub> = 20 dB ; C<sub>v,Δ</sub> = 7dB<sub>1</sub>





# Molding rubber mat

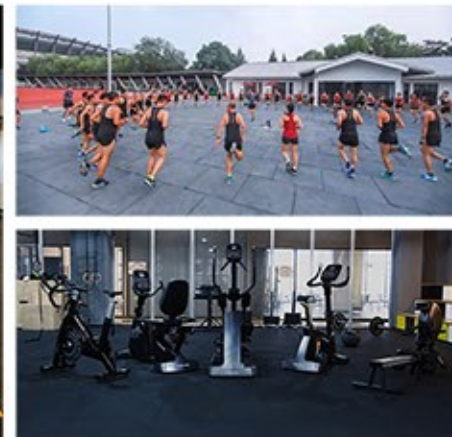
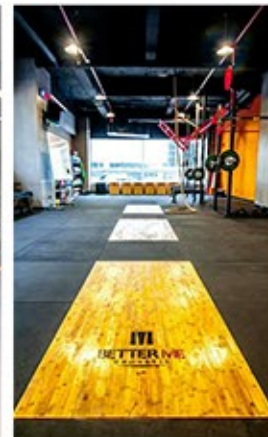
Molding rubber mat is made of natural rubber, synthetic rubber and other polymer materials, all the materials are non-toxic and polymer eco-friendly. Anti-skid, wear-resist, sound-insulation and shock-absorption, weather resist, long lifespan, eco-friendly and pollution-free. Suitable for gym weight areas, heavy equipment areas, sports grounds, playgrounds, schools, parks, etc.



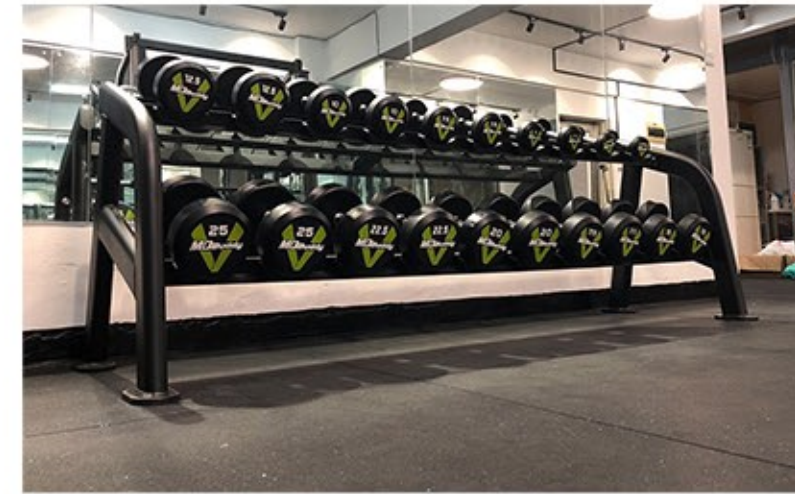
## PRODUCT DETAILS



|                        |   |
|------------------------|---|
| Product name           | Molding rubber mat  |
| Product Application    | Gym weight area, heavy equipment area, sports ground, playground, school, park, etc.                            |
| Product colors         | Any color can be customized.  |
| Product material       | 1.SBR<br>2.EPDM<br>3.EPDM+SBR   |
| Product specifications | Length & width:<br>500x500mm 500x1000mm 1000x1000mm<br>Thick: 15-80mm<br>other specifications can be customized |
| Product weight         | 2.9kg/pc—61kg/pc  |
| Product density        | 0.820g/cm <sup>3</sup> -1.002g/cm <sup>3</sup>  |

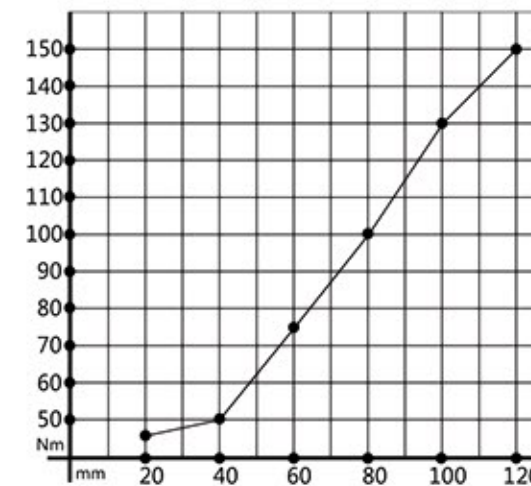


## CASES



## TECHNICAL DATA CHART

Impact resistance ratio



Normalize the spectrum of impact pressure levels

| Frequency f(Hz) | L <sub>1,w</sub> (dB) | L <sub>1</sub> (dB) | ΔL (dB) |
|-----------------|-----------------------|---------------------|---------|
| 100             | 67.0                  | 66.8                | 0.2     |
| 125             | 67.5                  | 67.2                | 0.3     |
| 160             | 68.0                  | 65.8                | 2.2     |
| 200             | 68.5                  | 64.5                | 4.0     |
| 250             | 69.0                  | 61.5                | 7.5     |
| 315             | 69.5                  | 58.2                | 11.3    |
| 400             | 70.0                  | 54.6                | 15.4    |
| 500             | 70.5                  | 52.0                | 18.5    |
| 630             | 71.0                  | 48.8                | 22.2    |
| 800             | 71.5                  | 46.7                | 24.8    |
| 1000            | 72.0                  | 46.3                | 25.7    |
| 1250            | 72.0                  | 42.7                | 29.3    |
| 1600            | 72.0                  | 43.3                | 28.7    |
| 2000            | 72.0                  | 43.4                | 28.6    |
| 2500            | 72.0                  | 43.2                | 28.8    |
| 3150            | 72.0                  | 44.4                | 27.6    |
| 4000            | 72.0                  | 45.6                | 26.4    |

ΔL<sub>w</sub> = 20 dB ; C<sub>1,2</sub> = 7dB





## Gym interlocking mat

### Gym interlocking mat

Green Valley gym interlocking mat is innovated from roll tile, composite tile and molding tile. It is a floor mat with comprehensive performance. Inheriting the advantages of the above products, it also reduces the cost for our customers. The buckle design on four sides of the lock cushion provides a more convenient installation and reduces the use of glue. It is also more eco-friendly and can be recycle-used. Please refer to technical data from previous products.





360 multi-functional UV-print

# Ultraviolet LED Inkjet Printer

UV printer is a kind of high-tech non-plate-making full color digital printing machine, which is not limited by materials, and can print color photos on the surface of all kinds rubber mats. UV printed patterns are beautiful and are resistant to abrasion; Patterns can be customized on actual site specifications and its designs; especially used for private classes and group classes; The unique multi-functional training areas is attractive and joyful, enhancing physical fitness, agility, coordination, creativity and athletic performances.





## Installation of rubber rolls



1. Lay all the rolls on the floor after unpacking, lay each roll in their positions.



2. Cut the corners to make the coiled material fit perfectly with the wall and floor.



3. Roll up the rolls and put aside, spread the glue on the floor.



4. Put the roll material back to its fixed position before, lay heavy objects above to insure the rolls stick to the floor tightly.

## Installation of interlock rubber mat



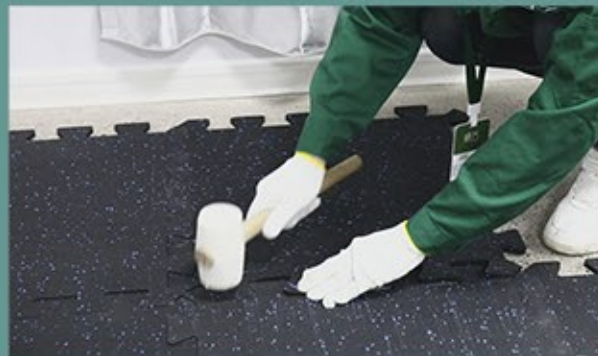
1. Unpack and cut one side of the lock buckle of each mats with knives.



2. cut it to fit with the wall.



3. Lock the interlocking mats together.



4. Tap with a rubber hammer till all mats are completely connected.

## Installation of composite rubber mat and moulding mat



1. Lay all mats on the floor after unpacking, lay each piece in their positions.

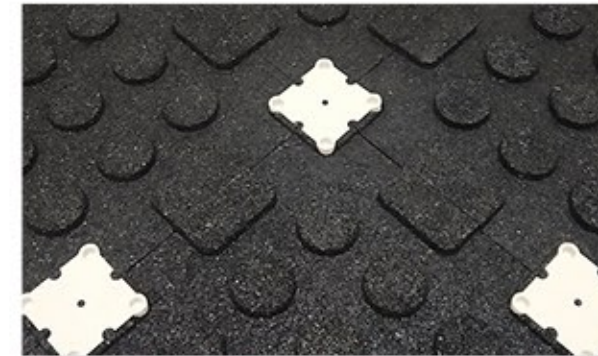


2. Turn over the mats in turn and apply a proper amount of glue to the four corners on the opposite side of the mats.



3. Install the mats in their fixed positions, and then tap with rubber hammer to make it flat and fit.

## Installation of plastic connectors

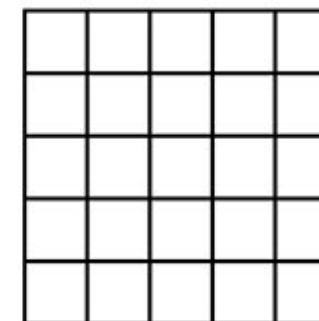


1. Unpack and then put the connectors in each holes.

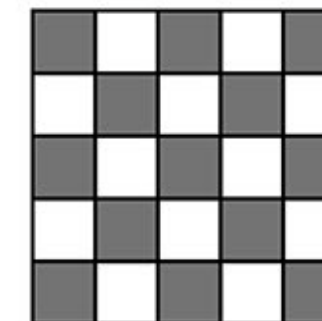


2. Orderly put every connectors tightly and lay the finished tiles carefully.

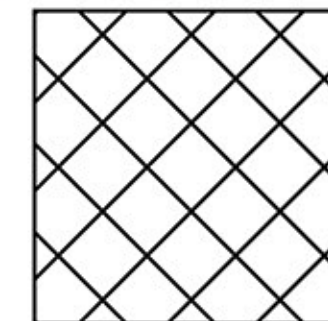
## Gym mat pavement plans



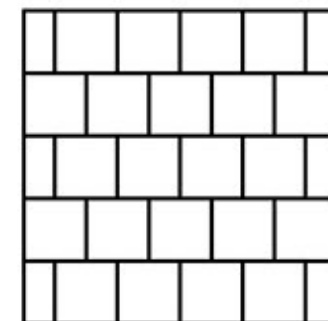
Plan A



Plan B



Plan C



Plan D



