

# DIAMAT

*Cushioning thick mat from recycled rubber for multi-purpose sport surfaces of the MAT System*

**Diamat** is a cushioning mat to be used as a sub-layer for multi-purpose sport surfaces of the MAT System. It is used for a perfectly smooth and cushioned surface. The product is made from natural and synthetic elastomeric compounds bound at high density. It has high mechanical resistances, excellent elasticity features and it is crushproof if subject to permanent load. Easy and fast to apply, it can be used both outdoor and indoor.

## ADVANTAGES

- Perfectly smooth surface.
- Good cushioning features and to absorb shocks.
- Elasticity and durability in time.
- Resistant to thermal shocks.
- It can be applied over concrete and asphalt substrates with *Diamat Glue*.
- Easy to apply.
- Made from recycled material.
- Solvent free product.

## APPLICATION FIELDS

*Diamat* is suitable to be used as a sub-layer of multi-purpose courts of the *MAT System*, in combination with *Floorgum Paint*. The product can be applied over concrete or asphalt substrates with *Diamat Glue*. It is suitable both for indoor and outdoor.

## YIELD

1 m<sup>2</sup>/m<sup>2</sup>. One roll covers about 12.00 m<sup>2</sup>.  
Thickness 4.00 mm.

## COLOUR

Black.

## PACKAGING

### Roll

Height 1.0 m;  
Length 12.0 m;  
Weight 3.00 kg/m<sup>2</sup> – 36.0 kg each roll.

### Pallet

Roll num 16;  
Total surface 192 m<sup>2</sup>.

## STORAGE

Store the product in original packagings well closed in well ventilated areas, away from sunlight and ice, with temperatures included between +5°C and +35°C.  
Storage time: 24 months

## PREPARATION OF SUPPORT

The support must be completely hardened, dry and resistant. The surface must be thoroughly clean, well consolidated, without debris or detaching parts, perfectly levelled and without ponding water.



For application video, product page, safety data sheet and other information.

## Smoothers – Mat

Whereas all indications and recommendations supplied herein are stated to the best of our experience and knowledge, they should nevertheless be considered as indicative only and should be confirmed by exhaustive practical applications. Products can be tested in a closed environment (lab) but job specific features of a project can effect the performance of these products from project to project.

# DIAMAT

Cushioning thick mat from recycled rubber for multi-purpose sport surfaces of the MAT System

| Technical Data |   |                         |
|----------------|---|-------------------------|
| Features       |   | Units                   |
| Yield          | 1 m <sup>2</sup> /m <sup>2</sup> . One roll covers 12.00 m <sup>2</sup> .                     | m <sup>2</sup>          |
| Aspect         | roll  | -                       |
| Colour         | black   | -                       |
| Thickness      | 4 (±10%)  | mm                      |
| Density        | 750 (±7%)   | kg/m <sup>3</sup>       |
| Storage        | 24 months in original packaging and in a dry place  | months                  |
| Packaging      | Rolls<br>Height 1.0 m;<br>Length 12.0 m ;<br>surface 12.0 m <sup>2</sup> ;<br>weight 36.0 kg. | m – m <sup>2</sup> - kg |

| Final performances           |  | Units | Regulations | Result |
|------------------------------|--|-------|-------------|--------|
| Break elongation             | 27%  | -     | -           |        |
| Fire reaction                | class B2   | -     | DIN 4102    |        |
| Hardness - shore A           | 50   | -     | -           |        |
| Resistance to microbes       | Resistant to fungi, insects and microbes attacks | -     | -           |        |
| Environmental sustainability | 100% recyclable                                  | -     | -           |        |

\* ! The above data, even if carried out according to regulated tests are indicative and they may be change when specific site conditions vary.

## Smoothers – Mat

Whereas all indications and recommendations supplied herein are stated to the best of our experience and knowledge, they should nevertheless be considered as indicative only and should be confirmed by exhaustive practical applications. Products can be tested in a closed environment (lab) but job specific features of a project can effect the performance of these products from project to project.

# DIAMAT

Cushioning thick mat from recycled rubber for multi-purpose sport surfaces of the MAT System

## Concrete

If there are cracks on the surface, restore them with a suitable cement mortar.

## Asphalt

Once asphalt is completely cool off and cured, proceed with the application of *Diamat*.

For all those substrate not listed in this technical data sheet, please contact Diasen technical office.

## MAT SYSTEM - MULTI-PURPOSE SPORT SYSTEMS - Application

1. Apply *Diamat Glue* (see technical Datasheet) and apply the rolls with care. The surface of application must be completely covered by the mat.



2. After the application of the mat, proceed with the application of the coating for the multi-purpose surfaces *Floorgum Paint* (see technical datasheet).



## SUGGESTIONS

- Do not apply at room and surface temperatures lower than +5°C or higher than +35°C.
- During summer season apply the product during the cooler hours of the day, away from sun.
- Do not apply with imminent threat of rainwater or ice, with strong fog or with relative humidity level higher than 70%.
- During winter season the substrate must be perfectly dry.
- Verify the adequate slopes for the flow of water.

Smoothers – Mat

