



# FOR SPORTS AND LEISURE PROJECTS WITH HIGH STANDARDS

-  Optimal bulk density
-  Maximum durability
-  High colour consistency
-  Highest weather resistance
-  Widest colour selection



For you, we set standards in quality and flexibility.

Melos EPDM granules contain  $\geq 20\%$  pure EPDM, making them specially designed to withstand the demanding conditions in sports and leisure areas. Our product is carefully tested for mechanical robustness and colour fidelity and is continuously improved. Thanks to our flexible manufacturing, you can choose from 28 standard colours or create custom shades. **Trust Melos for top-quality running tracks, playgrounds and multifunctional floors.**

## AVAILABLE COLOURS RAL - approx. value<sup>1</sup>



**BEIGE**  
CODE 462100  
RAL 1001



**SAND YELLOW**  
CODE 690600  
RAL 1002



**EARTH YELLOW**  
CODE 465700  
RAL 1006



**YELLOW**  
CODE 462000  
RAL 1012



**PEARL**  
CODE 462900  
RAL 1013



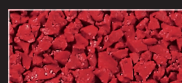
**EGGSHELL**  
CODE 462400  
RAL 1015



**ORANGE**  
CODE 665700  
RAL 2011



**RED**  
CODE 460000  
RAL 3016



**ROSE**  
CODE 467500  
RAL 3017



**PURPLE**  
CODE 463400  
RAL 4005



**HERTHA BLUE**  
CODE 469100  
RAL 5002



**GENTIAN BLUE**  
CODE 690700  
RAL 5010



**BLUE GREY**  
CODE 461000  
RAL 5014



**SKY BLUE**  
CODE 461800  
RAL 5015



**RAINBOW BLUE**  
CODE 465900  
RAL 5017



**TURQUOISE BLUE**  
CODE 465400  
RAL 5018



**CAPRI BLUE**  
CODE 461500  
RAL 5019



**TEAL**  
CODE 465800  
RAL 5024



**PATINA GREEN**  
CODE 464000  
RAL 6000



**RESEDA GREEN**  
CODE 464700  
RAL 6011



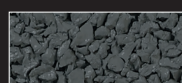
**MAY GREEN**  
CODE 464100  
RAL 6017



**RAINBOW GREEN**  
CODE 465600  
RAL 6025



**SIGNAL GREEN**  
CODE 464600  
RAL 6032



**IRON GREY**  
CODE 690800  
RAL 7011



**SLATE GREY**  
CODE 463100  
RAL 7015



**LIGHT GREY**  
CODE 463800  
RAL 7035

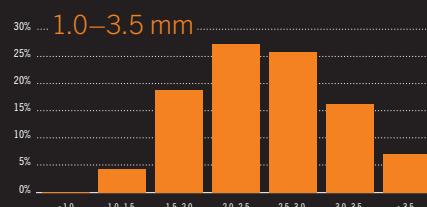
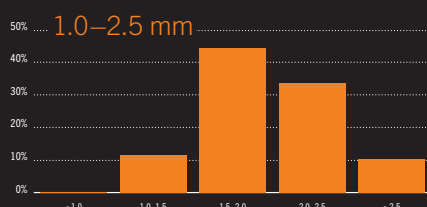
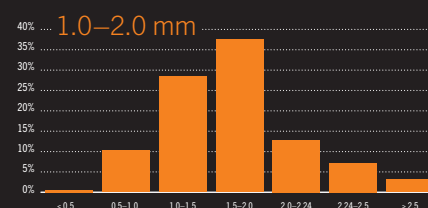
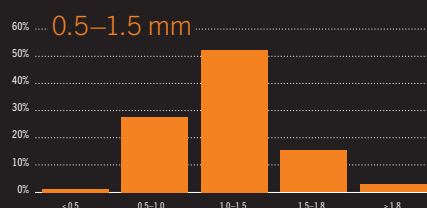
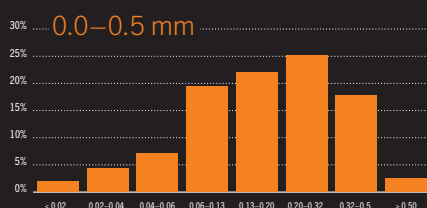


**BROWN**  
CODE 462800  
RAL 8024



**BLACK**  
CODE 463900  
RAL 9004

## SIEVE CURVES | GRAIN SIZE DISTRIBUTION Average<sup>2</sup>



\* Technically related variations in property and colour and production related variations as well as innovations and technical changes are reserved. Products shown may differ in configuration from the actual product.

<sup>1</sup> The RAL colour specifications are nonbinding approximations. Differences in colour of the images are due to printing process.

<sup>2</sup> Measured according to ISO 13322-2 with an optical measuring system in mm.

## PRODUCT INFORMATION

| PROPERTY            | UNIT              | TYPICAL VALUE*  | TEST STANDARDS    |
|---------------------|-------------------|---|-------------------|
| Density             | g/cm <sup>3</sup> | 1.60  | DIN EN ISO 1183-1 |
| Polymer base        | EPDM              |   |                   |
| Polymer content     | %                 | ≥ 20 pure EPDM  |                   |
| Bulk density (± 5%) | g/l               | 630 (grain size 1.0–3.5)  | DIN EN ISO 60     |
| Hardness            | Shore A           | 60  | DIN ISO 48-4      |
| Tensile strength    | MPa               | > 6   | DIN 53504         |
| Elongation at break | %                 | > 700   | DIN 53504         |
| Grain size          | mm                | 0.0–0.5   0.5–1.5   1.0–2.0<br>1.0–2.5 and 1.0–3.5<br>(other grain sizes on request)        |                   |
| Flame retardance    |                   | Flame-retardant material compliant with class c <sub>s</sub> -s1 (DIN EN 13501-1) available |                   |

## ENVIRONMENTAL & HEALTH TESTS

### EN 71-3

Fulfills the requirements of the toy safety standard with respect to the migration of certain elements.

### PAH (REACH)

Fulfills the requirements of regulation (EC) No. 1907/2006, Annex XVII, entry 28 and 50.

## CERTIFICATES

DIN EN ISO 9001 (Quality) | DIN EN ISO 14001 (Environment) | DIN EN ISO 50001 (Energy) | DIN ISO 45001 (Health & Safety)






























**SAFEFLOOR**

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# BINDER RECOMMENDATION

| Colour   | RAL  | Aliphatic | Aromatic | Colour   | RAL  | Aliphatic | Aromatic |
|--|------|-----------|----------|--|------|-----------|----------|
|  Red            | 3016 |           | ■        |  Signal Green   | 6032 |           | ■        |
|  Blue Grey      | 5014 | ■         |          |  Reseda Green   | 6011 | ■         |          |
|  Capri Blue     | 5019 | ■         |          |  Turquoise Blue | 5018 | ■         |          |
|  Sky Blue       | 5015 | ■         |          |  Orange         | 2004 |           | ■        |
|  Yellow         | 1012 | ■         | ■        |  Orange outdoor | 2011 | ■         | ■        |
|  Beige          | 1001 |           | ■        |  Rainbow Green  | 6025 |           | ■        |
|  Eggshell       | 1015 | ■         |          |  Earth Yellow   | 1006 |           | ■        |
|  Brown          | 8024 |           | ■        |  Teal           | 5024 | ■         |          |
|  Pearl          | 1013 | ■         |          |  Rainbow Blue   | 5017 | ■         |          |
|  Slate Grey    | 7015 | ■         | ■        |  Rose          | 3017 | ■         | ■        |
|  Purple       | 4005 | ■         |          |  Hertha Blue  | 5002 | ■         |          |
|  Light Grey   | 7035 | ■         |          |  Gentian Blue | 5010 | ■         |          |
|  Black        | 9004 | ■         | ■        |  Sand Yellow  | 1002 |           | ■        |
|  Patina Green | 6000 | ■         | ■        |  Iron Grey    | 7011 | ■         |          |
|  May Green    | 6017 | ■         |          |  |      |           |          |

## Background

Depending on the colour of the EPDM Granules, which should be bound, an aliphatic or aromatic binder is recommended. This ensures a best possible level of colour stability, even for sensitive colours.

In order to avoid any colour variations, UV-sensitive colours require an aliphatic binder. The given allocations are based on experiences and are non-binding recommendations.

## UV-stability

Aromatic binders may discolour under the influence of UV-irradiation. This effect occurs differently depending on the colour of the EPDM Granules.

However, the discolouration has no influence on the mechanical properties and will normalise after a while.

In order to avoid a temporary discolouration entirely an aliphatic binder should be applied.

## RAL colours

The RAL colour specifications are non-binding approximations. Differences in colour of the images are due to printing process.

■ Depending on the area / installation aliphatic or aromatic binders can be applied.