EPDM granules

Coloured virgin-polymer granules for top layers

Description

EPDM-based rubber compound with additives, through-coloured with high-stability pigments. Dust-free virgin synthetic-polymer granules for the top layers of poured-in-place systems and seamless decorative surfaces.

Physical properties

PROPERTY	VALUE	UNIT	STANDARD
Polymer base	100%	EPDM	—
Polymer content	> 21	%	—
Material density	1.6	g/cm³	DIN EN ISO 1183-1
Bulk density	680	g/L	EN 1097-3
Hardness	60 ± 5	Shore A	DIN 53505
Tensile strength	> 5.5	MPa	DIN 53504
Elongation at break	> 600	%	DIN 53504
Grading	1 – 3.5	mm	—

Source — manufacturer's values, tested to the standards shown on each line. Material density and bulk density are two different quantities.

Environment and health

REFERENCE	SCOPE	RESULT
EN 71-3	Safety of toys, migration of certain elements	compliant
REACH 1907/2006	Registration, evaluation and restriction	compliant
REACH Annex XVII	PAH content	compliant
EN 13501-1	Reaction to fire	Bfl s1

Reaction to fire

Bfl s1

Classification to EN 13501-1

Applications

- Top layer of poured-in-place impact-absorbing systems
- Playgrounds, school playgrounds, public spaces
- Outdoor decorative surfaces and sports surfaces
- Prefabricated elements and moulded parts

Responsibility — values are indicative; it is for the specifier, the project manager or the installer to check that the product suits the substrate, site conditions and end use.

Installation

EPDM granules — application, binder ratio, packaging and storage

Installation

Substrate	Clean, dry and sound · TL-PU-P01 primer recommended
Mixing	Mechanical, with aromatic or aliphatic polyurethane binder depending on the colour's UV sensitivity
Binder ratio	19 to 23% of granule weight, depending on grading and the finish required
Consumption	10 kg/m² for 10 mm thickness, indicative value
Weather	Do not apply if rain or excessive humidity is likely

Packaging and storage

Packaging	UV-resistant 25 kg bags · wooden pallet of 40 bags, i.e. 1,000 kg
Storage	Original packaging, unopened, away from sun and moisture

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