

stravigym
by CDM Stravitec

Stravigym GympactLayer

Datasheet

Stravigym GympactLayer range offers engineered continuous mats, 3/4'' (20 mm) thick – Stravigym GympactLayer-20 – and 1-3/4'' (45 mm) thick – Stravigym Gympact-45. These impact absorption layers are compatible with most available floor coverings, allowing freedom of choice of the final flooring.

The right combination of Stravigym GympactLayer and finish floor covering can have a huge impact on the structure-borne noise mitigation through extending the time of contact/impact and, thereby, reducing the peak impact force and the noise generated.

BENEFITS

- Long-lasting
- Protection of substrate
- Limited extra height
- Noise reduction
- Shock absorption
- Compatible with different fitness activities
- Easy to dismantle and reinstall

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PHYSICAL & MECHANICAL PROPERTIES

	Stravigym GympactLayer-45		Stravigym GympactLayer-20
	Top Layer	Backing Layer	
Description	Flat agglomerated recycled SBR (Styrene Butadiene Rubber) with PU (Polyurethane) elastomer bonding agent	Wavy agglomerated PU granules with PU elastomer bonding agent	Flat agglomerated recycled SBR with PU elastomer bonding agent
Suited to	High & extremely impact energies		Medium & high impact energies
Density	± 44 lb/ft^3 (710 kg/m^3)	± 25 lb/ft^3 (400 kg/m^3)	± 44 lb/ft^3 (710 kg/m^3)
Tensile Strength (ISO 37)	> 50 PSI (0.35 N/mm^2)	> 36 PSI (0.35 N/mm^2)	> 50 PSI (0.35 N/mm^2)
Elongation at break (ISO 37)	> 40%	> 50%	> 40%
Compression set 72h-50%-23ºC (ISO 815)	< 5%	< 6%	< 5%
Creep rate (ISO 8013)	< 1.5%*	< 2%**	< 1.5%*

*at 43.5 PSI (0.30 MPa), free height/decade minute
**at 11 PSI (0.075 MPa), free height/decade minute

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