



It's not magic, it's engineering.®

Pliteq Sustainability Guide



Contents

LEED Certification	1
Green Globes Certification	3
BREEAM Certification	5
WELL Certification	7
Environmental Product Declarations	9
Product-Specific Guidance	10

Description

LEED, Leadership in Energy and Environmental Design, is the most commonly used green building certification program worldwide. LEED provides a framework for implementing green building design, construction, operations and maintenance solutions. This program is applicable to many different building types during all phases of development.

LEED Certification Levels



Credit Categories



1. Water efficiency



2. Energy & Atmosphere



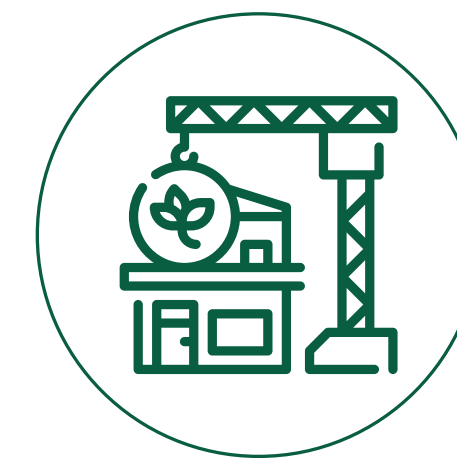
3. Materials & Resources



4. Indoor Environmental Quality



5. Innovation



6. Sustainable Sites



7. Location & Transportation



8. Integrative Process



9. Regional Priority

LEED v4.1 Rating System

Rating Title	Credit Title	Credit Details	Point Contribution	Applicable Pliteq Products
BD+C, ID+C	MR: Environmental product declarations	Option 1: Product Specific Type III EPD available	1	GenieMat FF, GenieMat RST, GenieMat FIT, GenieBoard 300
BD+C, ID+C	MR: Responsible Sourcing of Raw Materials	Option 2: Responsible Sourcing of Raw Materials: <ul style="list-style-type: none"> Recycled Content *potential for regional material contribution	1-2	GenieMat FF, GenieMat RST, GenieMat FIT, GenieBoard 300/400
BD+C, ID+C	MR: Material ingredients	Option 1: Material Ingredient Reporting <ul style="list-style-type: none"> Health Product Declaration available *potential for regional material contribution	1	GenieMat RST, GenieMat FF, GenieClip, GenieMat FIT, GenieMat FAS2, GenieMat FASHM, GenieBoard 300/400
O+M	MR: Purchasing	Option 2 : Health product declaration <ul style="list-style-type: none"> Health Product Declaration available EPD Available 	1-2	GenieMat FF, GenieMat RST, GenieMat FIT, GenieBoard 300/400
BD+C, ID+C	IEQ: Low - emitting materials	VOC Emissions and Content Evaluation <ul style="list-style-type: none"> Adhesives meet VOC requirements Compliant with SCAQMD Rule 1168, October 6, 2017 Greenguard certified 	1-3	GenieMat FASHM, GenieMat FAS, GenieMat FAS2, GenieMat FAS3
		VOC Emissions Evaluation <ul style="list-style-type: none"> Compliant with California Department of Public Health (CDPH) Standard Method v1.2-2017 TVOC between 0.5-5.0 mg/m3 		GenieMat FF, GenieMat RST, GenieMat FIT, GenieBoard 300/400
BD+C, ID+C	IEQ: Acoustic performance	Sound Transmission <ul style="list-style-type: none"> Extensive acoustical test library available on a multitude of wall and floor ceiling assemblies for acoustical performance evaluation Contact our Technical Services Department for your specific requirements 	1-2	GenieMat FF, GenieMat RST, GenieMat FIT, GenieClip, GenieBoard 300/400

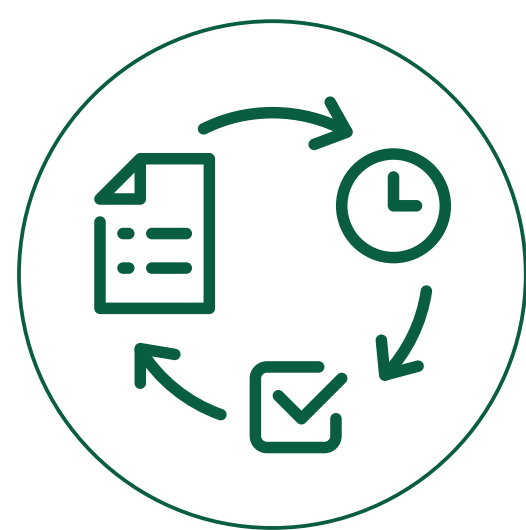
Description

Green Globes is a sustainability certification that assesses the resilience, health & wellness, and environmental sustainability of all types of buildings, evaluated with a third party assessment. There are three sectors of Green Globes: Green Globes Assessment Protocol for Design, New Construction, and Major Renovations.

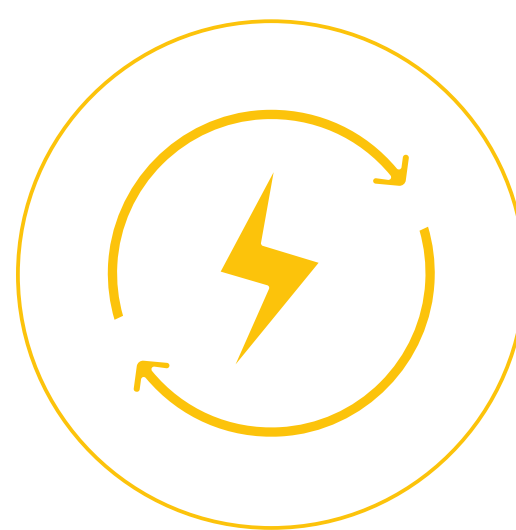
Green Globes Certification Levels



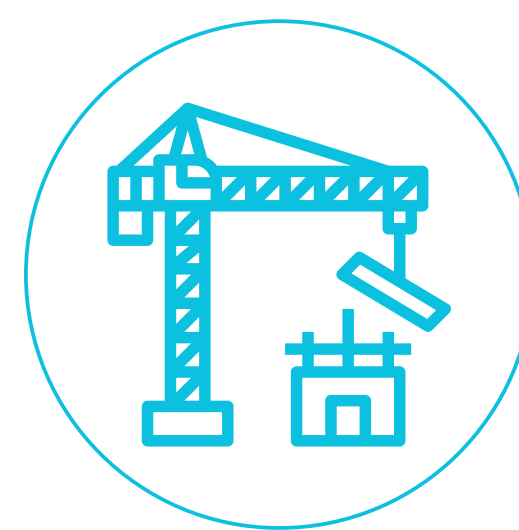
Assessment Categories



1. Management



2. Energy



3. Site



4. Water efficiency



5. Materials



6. Indoor

Green Globes New Construction 2021 Rating System

Rating Title	Credit Title	Credit Details	Point Contribution	Applicable Pliteq Products
Materials	5.2 Product Life Cycle	<ul style="list-style-type: none"> 5.2.1.1: Third party EPD verification looking at cradle to gate product life cycle according to ISO 14025 	1-29	GenieMat FF, GenieMat RST, GenieMat FIT, GenieBoard 300
	5.4 Sustainable Materials Attributes	<ul style="list-style-type: none"> 5.4.1.1: Sustainable Materials Index Percentage: post-consumer recycled content 	1-15	GenieMat FF, GenieMat RST, GenieMat FIT, GenieBoard 300/400
Indoor Environment	6.2 Source Control and Measurement of Indoor Pollutants	<ul style="list-style-type: none"> 6.2.1.1: VOC content compliance for adhesive and flooring - Meets VOC requirements with Floorscore 6.2.1.2 VOC content compliance with wet-set products - Meets VOC requirements confirmed with UL 2818 GREENGUARD 6.2.1.3 VOC compliance with floor covering, acoustical insulation, ceiling systems categories verified by Floorscore 	1-34	GenieMat RST, GenieMat FF, GenieClip, GenieMat FIT, GenieMat FASHM, GenieMat FAS3, GenieBoard 300/400
	6.5 Acoustical Privacy and Comfort	<ul style="list-style-type: none"> 6.5.1.1, 6.5.1.1.A, 6.5.1.2, 6.5.2.1, 6.5.2.2, 6.5.2.4A.1, 6.5.2.4A.1.2, 6.5.2.4A.1.3, 6.5.2.4A.1.4: Compliance with noise limit criteria and testing standard confirmed with extensive acoustical test library available on a multitude of wall and floor ceiling assemblies for acoustical performance evaluation* <p>*Contact our Technical Services Department for your specific requirements</p>	1-26	GenieMat RST, GenieMat FF, GenieClip, GenieMat FIT, GenieBoard 300/400

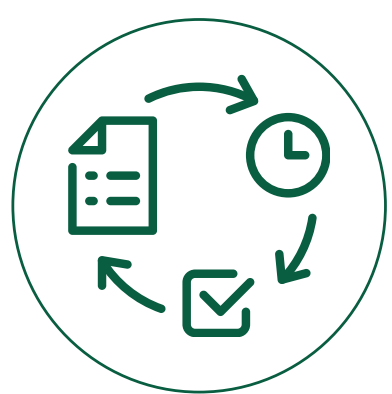
Description

BREEAM is a third-party sustainability certification system for built environments that assess a wide range of environmental issues to ensure projects meet long term sustainability goals. BREEAM can be used to assess refurbished and fit-out buildings, in-use, new builds, and communities.

BREEAM Certification Levels

Rating	%
Outstanding	≥ 85
Excellent	≥ 70
Very Good	≥ 55
Good	≥ 45
Pass	≥ 30

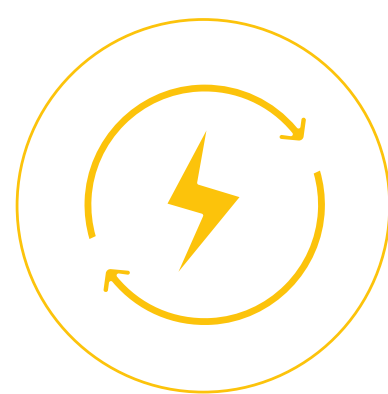
Assessment Categories



1. Management



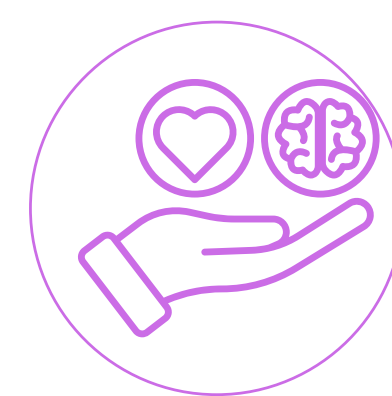
2. Water



3. Energy



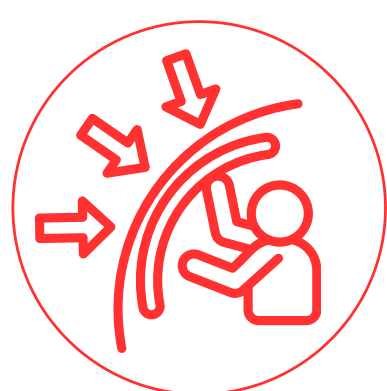
4. Transport



5. Health & Wellbeing



6. Resources



7. Resilience



8. Land use & ecology



9. Pollution



10. Materials



11. Waste



12. Innovation & design

BREEAM International New Construction Version 6.0 Rating

Rating Title	Credit Title	Credit Details	Point Contribution	Applicable Pliteq Products
MAT	Mat 01: Life cycle impacts	Environmental Product Declarations: Type III verified EPD	1	GenieMat FF, GenieMat RST, GenieMat FIT, GenieBoard 300
	Mat 06: Material Efficiency	Material efficiency*: Material with high recycled content *must be specified at design stage	1	GenieMat FF, GenieMat RST, GenieMat FIT, GenieBoard 300/400
HEA	Hea 02: Indoor air quality	Emissions from building products: Meet emissions limit for flooring materials and ceiling, wall, and acoustic and thermal insulation materials product types in BREEAM Table 17: Emission criteria by product type	1	GenieMat RST, GenieMat FF, GenieClip, GenieMat FIT, GenieMat VASHM, GenieBoard 300/400
	Hea 05: Acoustic performance	Indoor ambient noise and sound insulation: Extensive acoustical test library available on a multitude of wall and floor ceiling assemblies for acoustical performance evaluation --> Contact our Technical Services Department for your specific requirement	1	GenieMat RST, GenieMat FF, GenieClip, GenieMat FIT, GenieBoard 300/400
POL	Pol 05: Reduction of Noise Pollution	Noise impact assessment in accordance with ISO 1996 series: See test library for extensive number of assemblies with results to meet assessment criterias	1	GenieMat RST, GenieMat FF, GenieClip, GenieMat FIT, GenieBoard 300/400

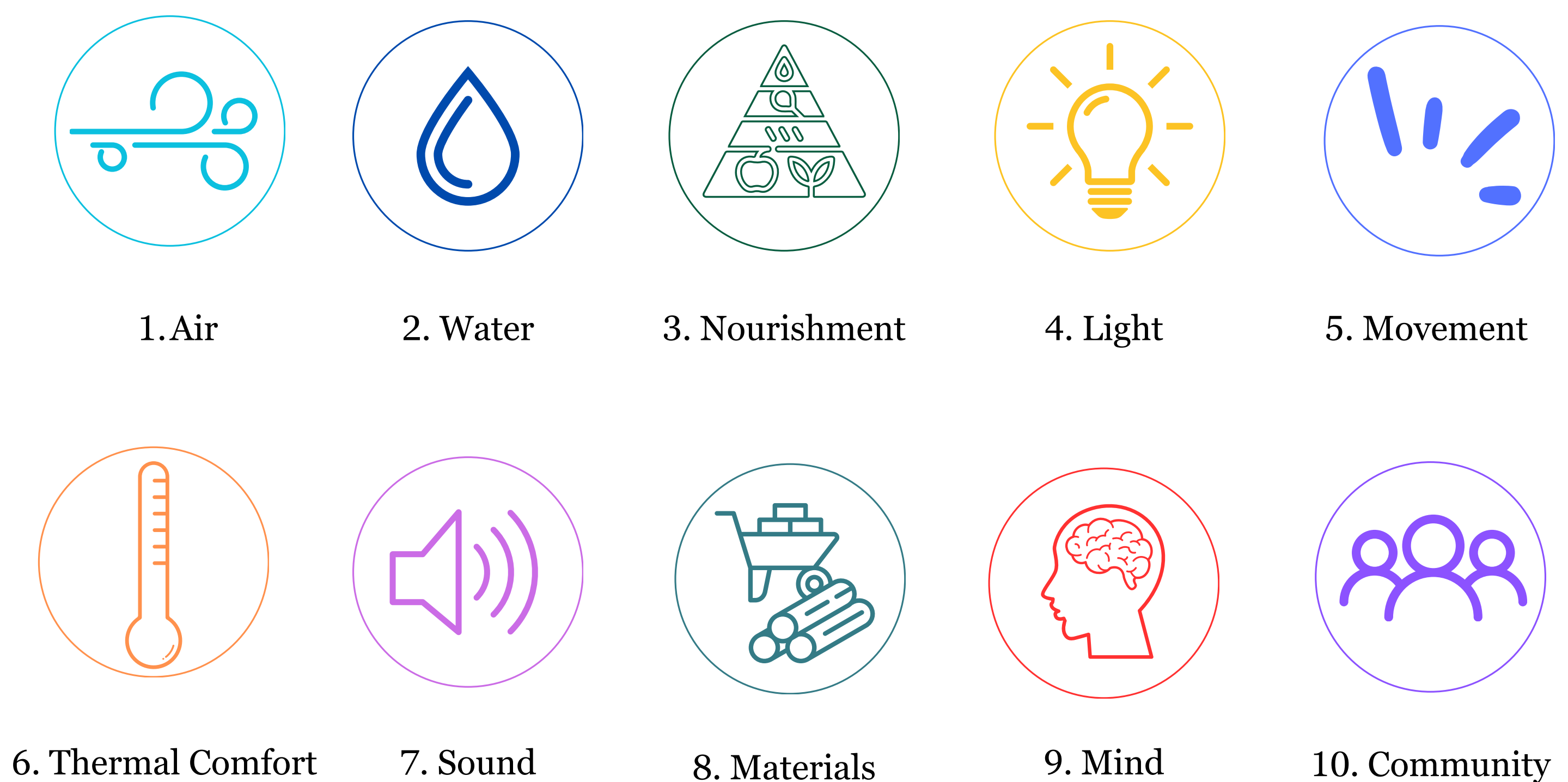
Description

The WELL Building Standard certification is a guideline for spaces that promote human health and well being. This system recognizes physical and mental health and is ideal for projects implementing WELL into a single building. It is applicable in any location to any space type, and is for both existing and new buildings.

WELL Certification Levels



Assessment Categories



WELL v2.0 Rating System

Rating Title	Credit Title	Credit Details	Point Contribution	Applicable Pliteq Products
Sounds	S02: Max noise levels	Part 1: Depending on room type refer to the WELL SPL table	1-3	GenieMat RST, GenieMat FF, GenieClip, GenieMat FIT, GenieBoard 300/400
	S03: Sound barriers	Part 1: Design for sound isolation in interior walls <ul style="list-style-type: none"> Depending on interior wall type observe required STC rating in the WELL table Part 2: Achieve sound isolation at walls <ul style="list-style-type: none"> Depending on wall type observe required NIC or Dw values in the WELL table 	1-3	GenieClip RST
	S07: Impact Noise Management	Part 1: Specify Impact Noise Reducing Flooring <ul style="list-style-type: none"> Depending on room type and buildup observe required IIC rating in the WELL table Part 2: Meet Thresholds For Impact Noise Rating <ul style="list-style-type: none"> Depending on room type and buildup observe required NISR rating in the WELL table 	1-3	GenieMat FF, GenieMat RST, GenieMat FIT, GenieBoard 300/400
Materials	X05: Enhanced Material Restrictions	Part 2: Select Compliant Architectural And Interior Products <ul style="list-style-type: none"> No Phalates, halogenated flame retardants, or polyfluoroalkyl substances 	1	GenieMat FF, GenieMat RST, GenieMat FIT, GenieBoard 300/400
	X06: VOC restrictions	Part 1: Limit VOCs From Wet-Applied Products <ul style="list-style-type: none"> Part a - SCAQMD Rule 1168 (Adhesives and Sealants, 2017) Part b - Any compliance path accepted to meet the VOC emission requirements of the 'Low-Emitting Materials' credit of the LEED v4.1 standard 	2	GenieMat FAS2, GenieMat FASHM
	X07: Materials Transparency	Part 1: Select Products With Disclosed Ingredients <ul style="list-style-type: none"> Ingredients disclosed by HPD Part 2: Select Products With Enhanced Ingredient Disclosure <ul style="list-style-type: none"> Part a: All ingredients are disclosed down to 100 ppm Part b: Ingredients are publicly disclosed by HPD Part 3: Select Products With Third-Party Verified Ingredients <ul style="list-style-type: none"> Part a: Ingredients disclosed by HPD Part b: Third party Type III verified EPD 	1-3	GenieMat FF, GenieMat RST, GenieMat FIT, GenieMat FAS2, GenieMat FASHM, GenieBoard 300/400

About our EPDs:

- **Type:** Product-specific Type III EPD
 - Third Party Verified
- **Reference Standard:** EN15804+A2:2019 and ISO 14025
- **LCA Standards:**
 - EN15804 +A2, PEF
 - EN 15804+A1, CML/ ISO 21930
 - TRACI 2.1, ISO 21930
- **Scope:** Cradle to gate (A1-A3), A4-A5, C1-C4, D



Products Covered by EPDs:

EPD: GenieMat RST05
Additional Products Covered by EPD:

- GenieMat RST02
- GenieMat RST03
- GenieMat RST10
- GenieMat RST12
- GenieMat DH755
- GenieMat DH760
- GenieMat DH765

EPD: GenieMat FIT30
Additional Products Covered by EPD:

- GenieMat FIT70

EPD: GenieBoard 301
Additional Products Covered by EPD:

- GenieBoard 302

EPD: GenieMat FF25
Additional Products Covered by EPD:

- GenieMat FF17
- GenieMat FF10
- GenieMat FF06

EPD: GenieMat FIT08
Additional Products Covered by EPD:

- GenieMat FIT06
- GenieMat FIT10
- GenieMat FIT12

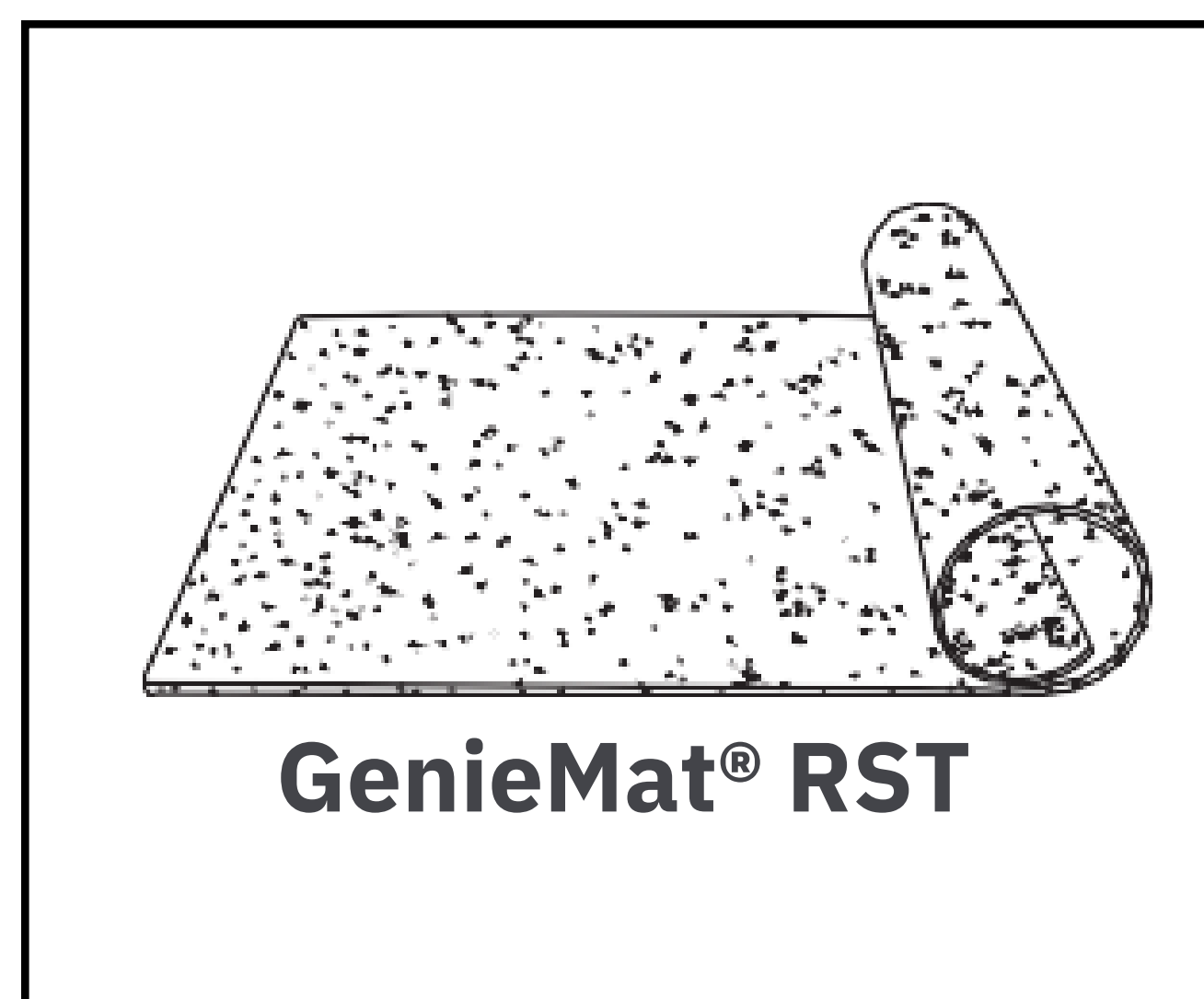
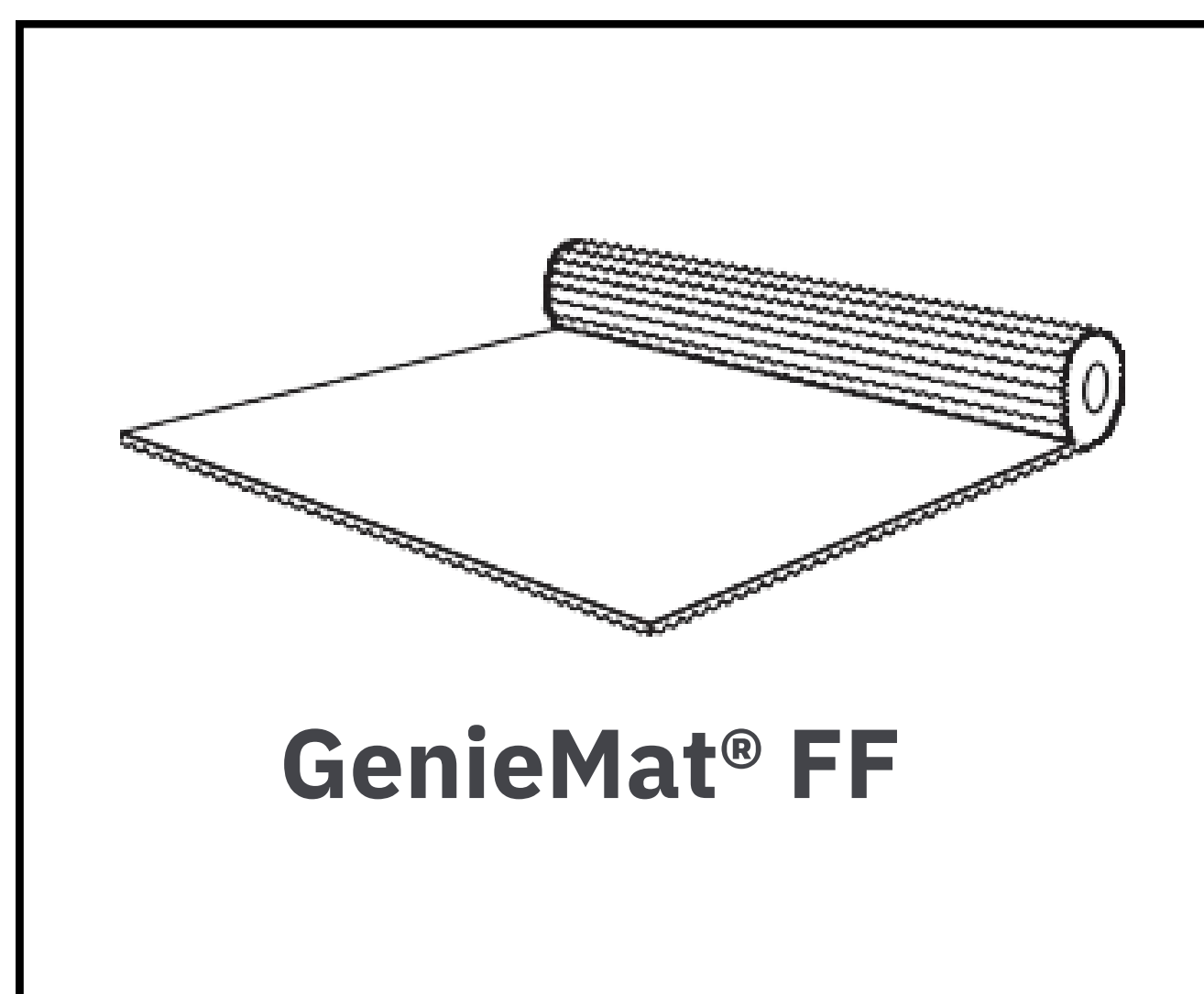
GenieMat® RST & GenieMat® FF

Sound Control Underlayment (RST) & Floating Floors (FF)

GenieMat is a line of high-quality sound control underlayment and floating floors manufactured in Ontario and Ohio by Pliteq Inc, a leading innovator in recycled products technology. GenieMat is made from up to 94% post-consumer recycled rubber content and has been tested in many different laboratory and field test assemblies. It has been proven to repeatedly perform as engineered to meet design requirements. The product and engineering support provided by Pliteq Inc guarantees that GenieMat will work as specified, every time.

About the Products:

- GenieMat RST & FF are composed of 94% post-consumer recycled rubber
- Manufactured in Ontario and Ohio, which may qualify it as a regional product depending on the location of the project
- GenieMat RST & GenieMat FF product lines are FloorScore® certified
- Significantly improves Sound Transmission Class (STC) and Impact Insulation Class (IIC) ratings of floor-ceiling assemblies, providing superior acoustic isolation and increased occupant comfort
- Minimizes the impact of site exterior noise on building facility occupants by isolating vibrations occurring from heliports, generators, mechanical equipment, building services, etc.
- Can be used in retrofit projects to improve existing acoustic conditions

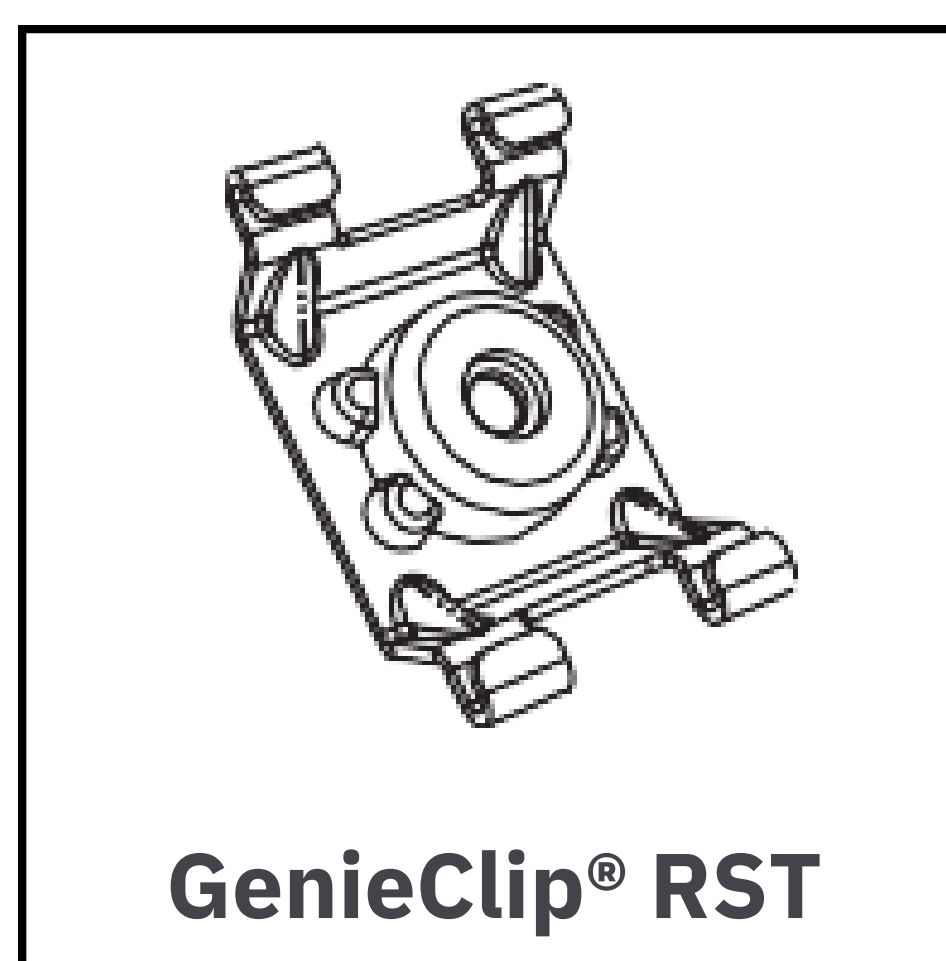


GenieClip® Resilient Sound Isolation Clip

GenieClip is a unibody molded rubber and galvanized steel mount used for noise control (decoupling). Engineered for superior acoustical performance in reducing the transmission of airborne and impact sound through wall and floor-ceiling assemblies. Made from recycled components and engineered to reduce assembly weight, GenieClip contributes to the above Green Certifications.

About the Product:

- Composed of 20% post-consumer recycled rubber
- Manufactured in Ontario and Ohio - may qualify it as a regional product depending on your project location
- Steel material is extracted from Detroit, MI, 48211;
- Rubber material is extracted from Avon Lake, OH44012
- Significantly improves Sound Transmission Class (STC) and Impact Insulation Class (IIC) ratings of wall and floor-ceiling assemblies, providing superior acoustic isolation and increased occupant comfort
- Can be used in retrofit projects to improve existing acoustic conditions



GenieMat® FAS Sound Control Adhesive

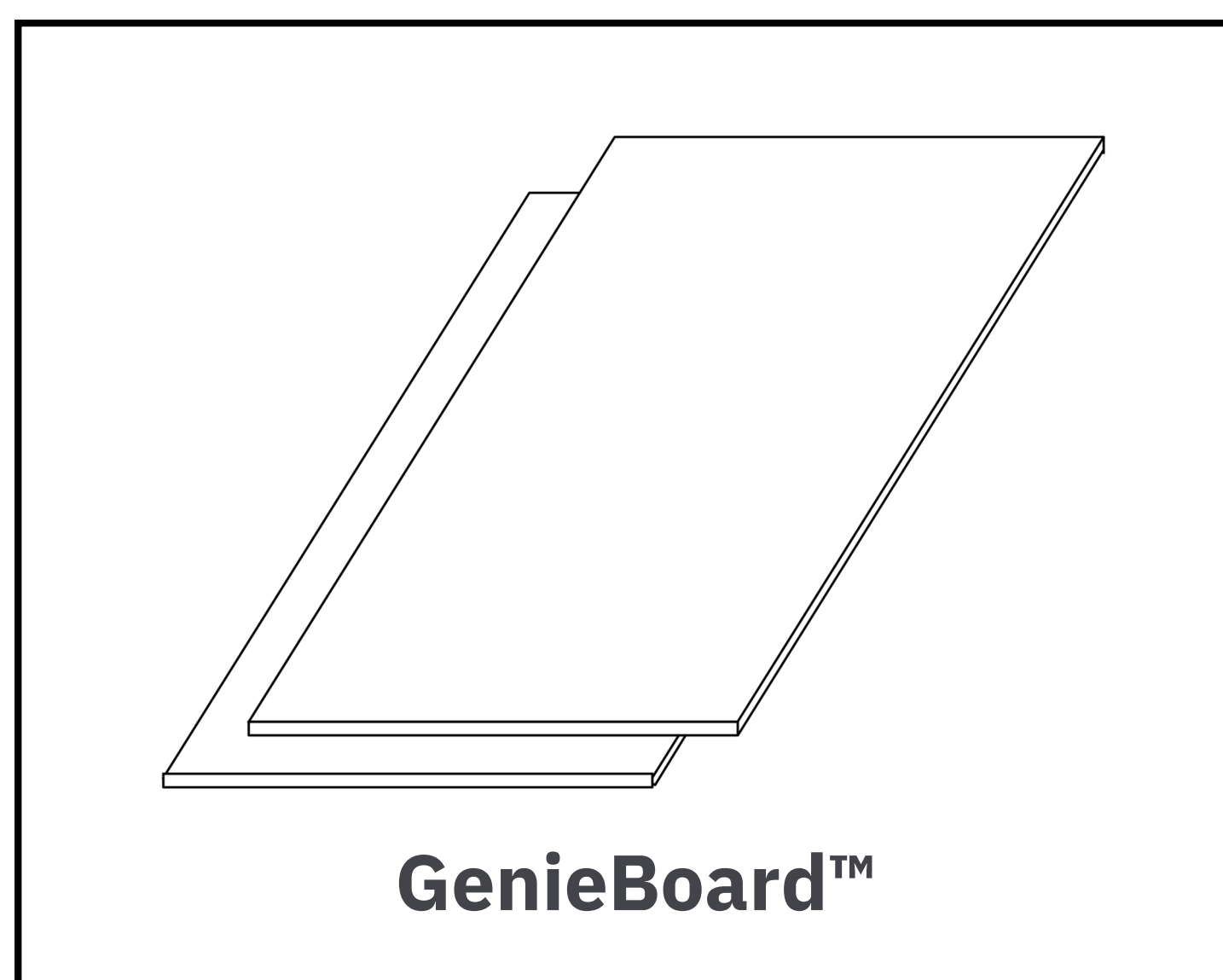
GenieMatFAS, GenieMatFAS2 & GenieMatFASHM are lines of sound control adhesives that are used for bonding GenieMat sound control underlayments to various subfloors/substrates, and for bonding all specified floor finishes and coverings, including vinyl floor products, to GenieMat sound control underlayments. GenieMat FAS adhesives are low-VOC and contain no hazardous chemicals as per OSHA Regulation CFR 1910.1200, and meet all federal, state, and local government indoor air quality regulations. *GenieMat FAS, GenieMat FAS2 and GenieMat FASHM are UL Greenguard certified.*

GenieBoard™ 300 & 400 Universal Flooring Board

GenieBoard is a line of dry-laid flooring panels manufactured by Pliteq Inc, a leading innovator in recycled products technology. Engineered as a sustainable alternative to poured gypsum concrete, GenieBoard is made from up to 100% post-consumer recycled materials that reduce environmental impact while enhancing construction efficiency. GenieBoard eliminates curing time, reduces costs, and mitigates risks like mold or water damage, delivering a high-performance system backed by rigorous testing.

About the Product:

- GenieBoard 300 Series composed of 100% post-consumer recycled gypsum and cellulose fibres
- GenieBoard 400 Series composed of 82% post-consumer recycled content
- Manufactured in Ontario and Ohio - may qualify it as a regional product depending on your project location
- GenieBoard product line is FloorScore® certified
- Significantly improves Sound Transmission Class (STC) and Impact Insulation Class (IIC) ratings of floor-ceiling assemblies, providing superior acoustic isolation and increased occupant comfort
- Can be used in retrofit projects to improve existing acoustic conditions



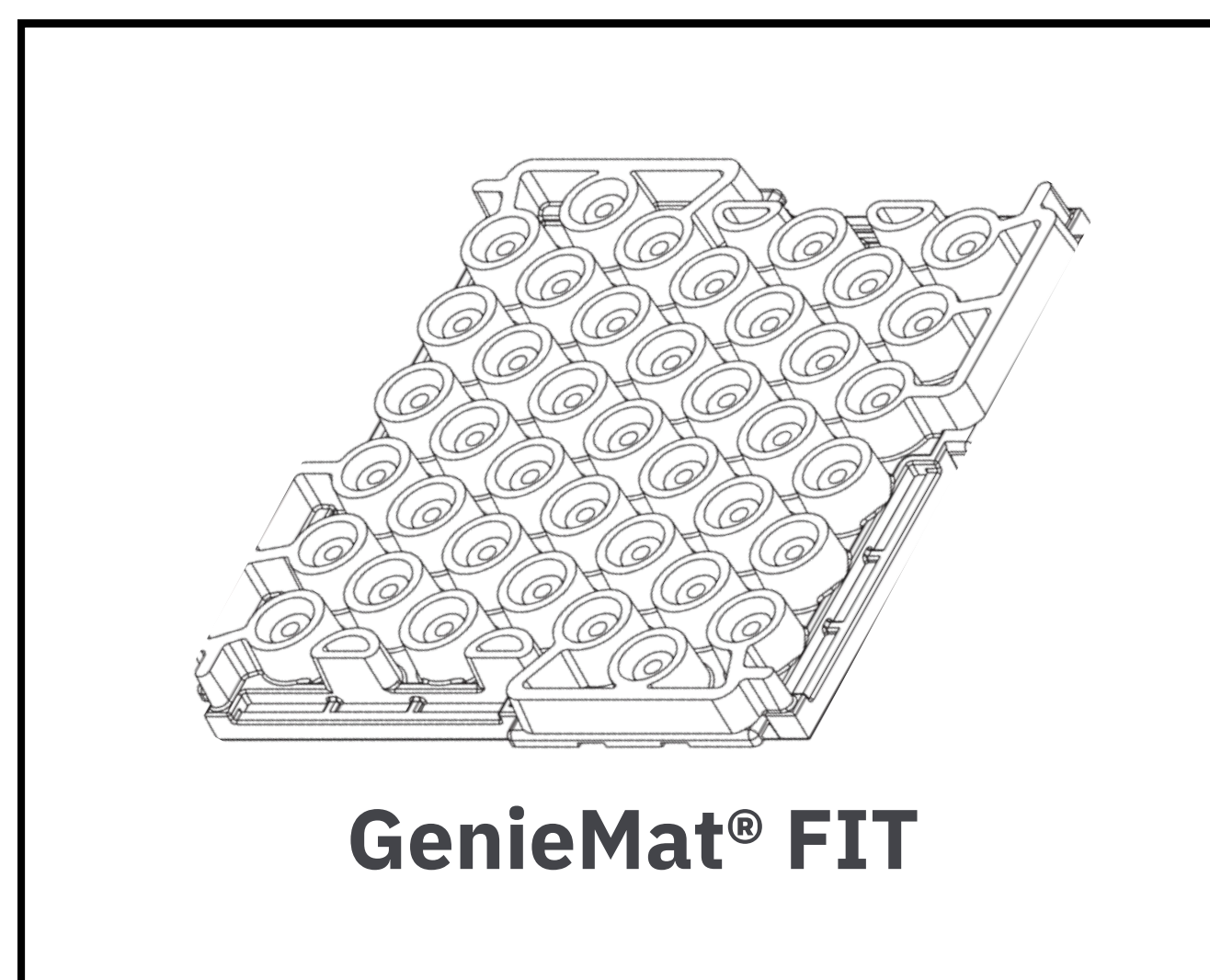
GenieMat® FIT

Fitness Floor Coverings for Reduced Sound Transmission

GenieMat FIT is a line of high-quality fitness flooring manufactured in Ontario and Ohio by Pliteq Inc, a leading innovator in recycled products technology. GenieMat FIT products are made from up to 94% post-consumer recycled rubber content. GenieMat FIT has been proven to reduce vibration and sound transmission resulting from regular weight room and fitness facility activities.

About the Product:

- GenieMatFIT30, GenieMatFIT70, and GenieMatFIT08 are composed of 94% post-consumer recycled rubber
- Manufactured in Ontario and Ohio, which may qualify it as a regional product depending on the location of the project
- Complies with ASTM D5116 CHPS/CA Section 01350 – Collaborative for High Performance Schools, Low Emitting Materials Section
- Significantly improves Impact Insulation Class (IIC) ratings of floor-ceiling assemblies in fitness applications and provides superior vibration dampening in high-impact areas
- Can be used in retrofit projects to improve existing acoustic conditions



For detailed credit requirements and/or technical inquiries, contact Pliteq Technical Services at (416).449.0049.