



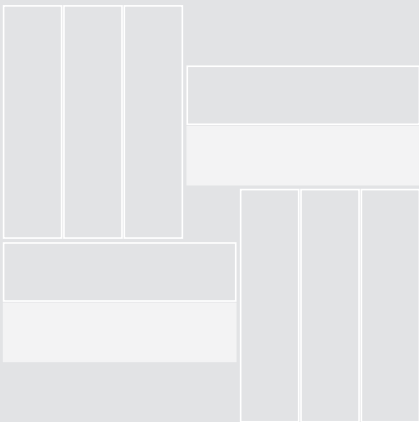
25*100

**ACOUSTIC
CARPET TILE**

www.feltech.co.th

ACOUSTIC CARPET TILE

MONITOR
RIPPLE
BOUNDARY





Environmentally Friendly

With more than 50% recycled content, Feltech's acoustic and thermal insulation products exceeds the criteria set by USGBC (United States Green Building Council) recognizing its contribution to the Leadership in Energy and Environmental Design (LEED).

Therefore users of our products can earn environmental points from LEED for their building project.

LEED Credit	Contribution	Points
MR credit 4.1 Recycled content 10%	Products is manufactured using a minimum of 50% post-consumer recycled materials	1
MR credit 4.2 Recycled content 20%	Products is manufactured using a minimum of 50% post-consumer recycled materials	1
MR credit 5.1 Regional materials 10%	Manufactured within 500 miles	1
MR credit 5.2 Regional materials 20%	Manufactured within 500 miles	1
EQ credit 3.2 Indoor air quality (*)	Low VOCs Emission	1
LEED Credit	Potential LEED Credit	Points
EA : Energy Performance	School and Health Care	(1-16) (1-20)
EQ : Acoustic Performance	Health Care	(1-2)

"LEED" or Leadership in Energy and Environmental Design, is a national certification system developed by the U.S. Green Building Council (USGBC) to encourage the construction of energy and resource-efficient buildings that are healthy to live in.



MODULAR CARPET BACKING SYSTEM



Made of Recycled
Material

EcoStep® re-engineered from 80% post-consumer discarded PET beverage bottles, carpet tiles with EcoStep® backing not only meets all stringent modular carpet criteria but also consistently outperforms most hard back carpet tiles.



ECO Friendly,
Environmental
Protection

As a corporate social responsibility towards clean environment, Feltech is committed to make EcoStep®, which uses recycled material, recyclable again at the end of the carpet useful life preventing it from becoming landfill like most PVC-backed carpets.

Earn “LEED” Credit



The USGBC (US Green Building Council) has clearly stated that from a cradle-to-grave perspective, PVC is consistently viewed as one of the worst materials for cancer-related impacts.

For corporate environment that demands superior design and performance, choose modular carpet backed with EcoStep®

such as EcoStep® will help your project earn high marks towards certification by LEED (Leadership in Energy and Environmental Design) Green Building Rating System.



Luxurious Underfoot Comfort

Made with millions of re engineered synthetic fibers, EcoStep® provides excellent cushion effect which gives underfoot comfort, reduces fatigue and absorbs destructive impact from heavy foot traffic.



Antimicrobial Protection+

Meets AATCC-174 part II, inhibits the growth of odor-causing bacteria, fungi, mold, and mildew



Breathability

The superior breathability of EcoStep® backing allows moisture to efficiently evaporate from the subfloor



Better Protection

Cushion effect gives better support for the carpet enabling the carpet to retain its new look longer



100% Free of PVC

EcoStep® is free of PVC, which contains stabilizer such as lead and plasticizer, chemicals that may be released into the indoor environment throughout the life of the carpet.

There have been strong environmental and human health concerns associated with the use of PVC materials in buildings.

Superior Sound Absorbency



EcoStep® has excellent sound absorbency. Carpet backed with EcoStep consistently outperforms PVC-backed carpet in sound absorption. The acoustical effect creates a better working environment in an office that would enhance productivity and creativity.



Indoor Advantage™ Gold

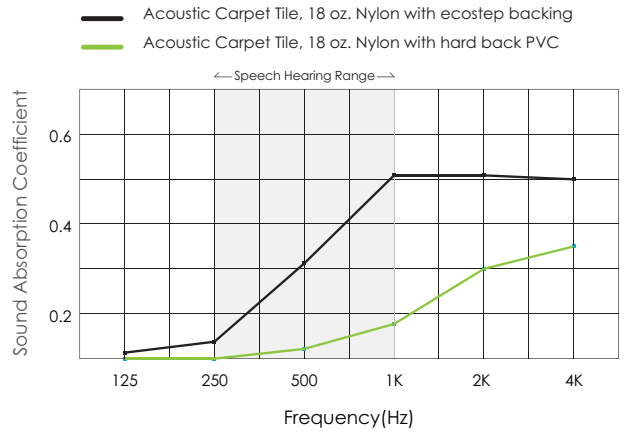
EcoStep® does not contain any Volatile Organic Compounds (VOCs).

Acoustic Values

Noise Reduction Coefficients SAA/NRC 0.35
 ASTM C 423-09a, Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation room Method.

Absorption Coefficients-Sabins /FT²

125	250	500	1K	2K	4K	SAA	NRC
0.01	0.07	0.31	0.51	0.51	0.50	0.35	0.35



Sound Transmission Class STC 52
 (over a wood joist floor/ceiling assembly with 0.75 inch of gypsum concrete)

Test and classified in accordance with ASTM E413-16, Classification for Rating Sound Insulation

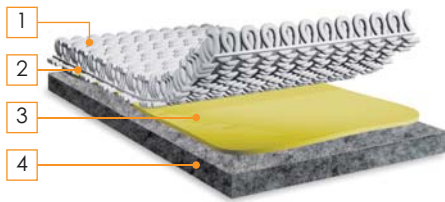
Impact Insulation Class IIC 66
 (over a six inch concrete slab with a drop ceiling)

Test and classified in accordance with ASTM E989-06, Standard Classification for Determination of Impact Insulation Class (IIC)

Performance

Traffic Classification	BS EN 1307: 2014, Class 33 Heavy commercial use
Castor Chair Rating	BS EN 985, > 2.4 continuous use
Dimensional Stability	BS EN 986, < 0.20%
Electrostatic Propensity	AATCC 134, < -3Kv
Light Fastness	ISO 105 B02 min, 6
Thermal Resistance	0.17 m ² K/W
Antimicrobial	AATCC-174, Part 2

Construction



1. Surface pile nylon with soil repellent and stain protection
2. Polyester spunbond primary backing
3. High quality thermo bonding composite
4. ecostep® sound absorption backing

Flammability

Flooring radiant test	ASTM E 648, Class 1
Smoke density	ASTM E 662, < 450
Hot Metal Nut	BS 4790, Low radius effects of ignition

Acoustic Performance

Sound Absorption	ASTM C423-09a				
Frequency(Hz)	250	500	1000	4000	2000
Absorption Coefficient	0.07	0.31	0.51	0.50	0.51
Average Coefficient(aw)	NRC 0.35				
Impact sound insulation class	ASTM E989-06		IIC 66		
Sound transmission class	ASTM E413-16		STC 52		

Sustainability :

Indoor Air Quality US Green Building Council (LEED) & CRI Green Label Plus compliant for VOCs emission rate limits

Accreditation

- Australian Carpet Classification Scheme (ACCS) : Environmental Classification Scheme, ECS Level 4-maximum points.
- Singapore Green Label-Environmentally Friendly carpet certificate # 039-009.
- Manufactured under management system certified as complying with ISO 9001 & ISO 14001

PVC Minimization 100% PVC and bitumen free

Recycled Content Post-consumer recycled content minimum 25% by weight of product

Specifications are based on average from normal manufacturing tolerances, such variations do not effect product performance. Florplan® reserve the right to improve the specification of their product without prior notice.

As with all quality carpets, slight variation in color may occur from dye lot to dye lot. Protective chair pads are recommended under office chairs with roller castors to preserve appearance retention and to avoid excessive wear.



Indoor Advantage™ Gold



039-009-3545



ECS Level 4



ISO 9001:2015



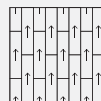
ISO 14001:2015

MONITOR

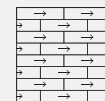
SPECIFICATIONS

Construction	Textured Tufted Loop Pile
Pile Content	Solution dyed nylon with anti static filaments
Pile Treatment	Stain Protector & Soil Repellent
Machine Gauge	1/10
Pile Thickness	4 mm +/- 10%
Total Thickness	8 mm +/- 10%
Tufted Density	200,000 / m ²
Primary Backing	100% non woven synthetic spunbond
Secondary Backing	EcoStep®, sound absorption backing (80% recycled PET bottles)
Tile Size	25 cm x 100 cm
No.of Tiles per box	20 Tiles (5.00 SQ.M)

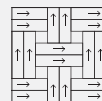
Installation Method



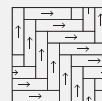
Ashlar



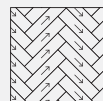
Brick Lay



Weave



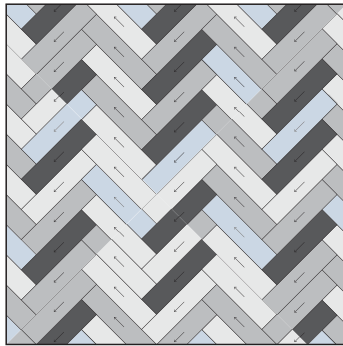
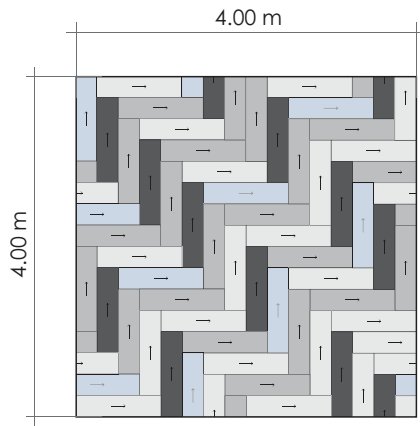
Herringbone



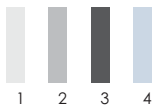
Herringbone
45°



MONITOR
MO 01-02-03-07



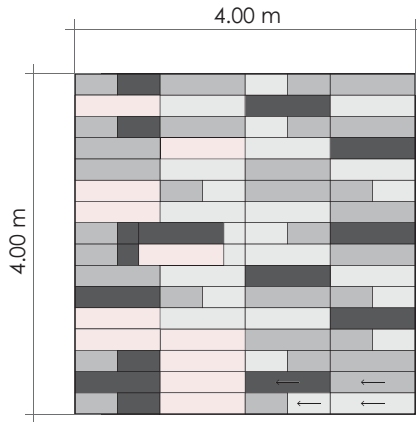
Herringbone 45°



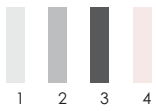
- (1) Channel_MO 01
- (2) Circuit_MO 02
- (3) Control_MO 03
- (4) Cable Blue_MO 06



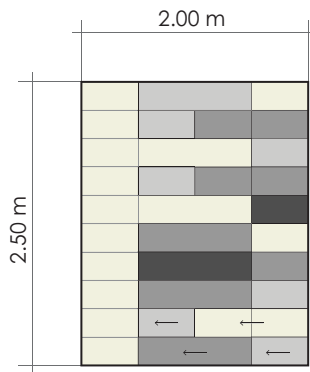




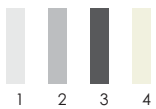
Monolithic



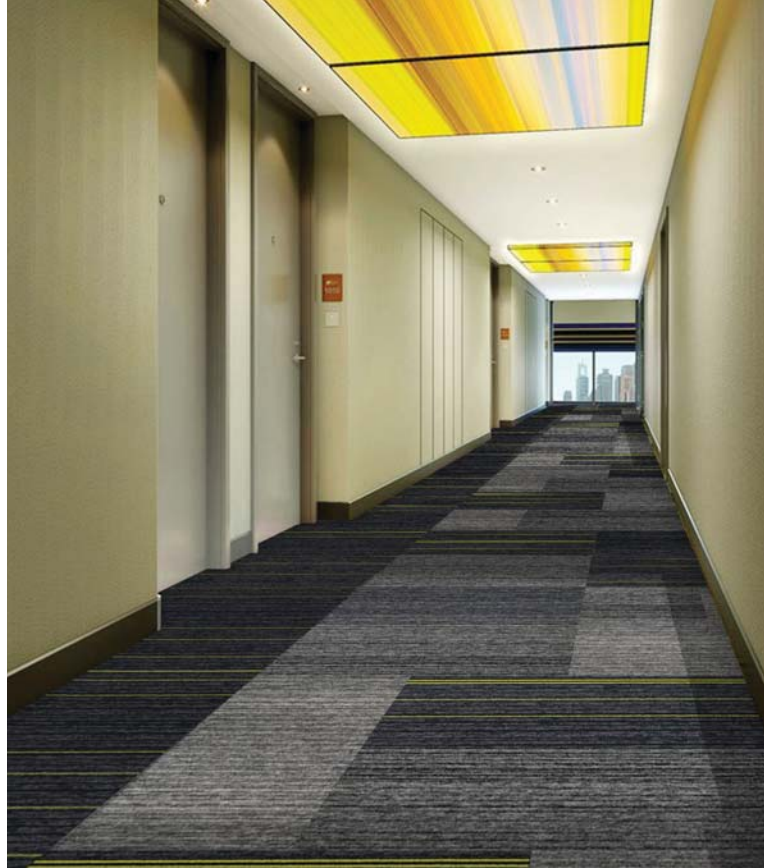
- (1) Channel_MO 01
- (2) Circuit_MO 02
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- (4) Cable Red_MO 05



Monolithic

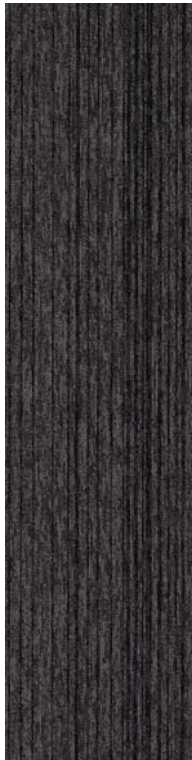


- (1) Cable Green_MO 08
- (2) Channel_MO 01
- (3) Circuit_MO 02
- (4) Control_MO 03





Channel_MO 01



Circuit_MO 02



Control_MO 03



Cable_MO 04



Cable Red_MO 05



Cable Blue_MO 06



Cable Orange_
MO 07



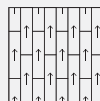
Cable Green_
MO 08

RIPPLE

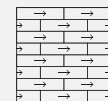
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Pile Content	Solution dyed nylon with anti static filaments
Pile Treatment	Stain Protector & Soil Repellent
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Pile Thickness	4 mm +/- 10%
Total Thickness	8 mm +/- 10%
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No.of Tiles per box	20 Tiles (5.00 SQ.M)

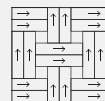
Installation Method



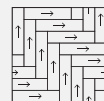
Ashlar



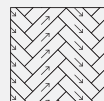
Brick Lay



Weave



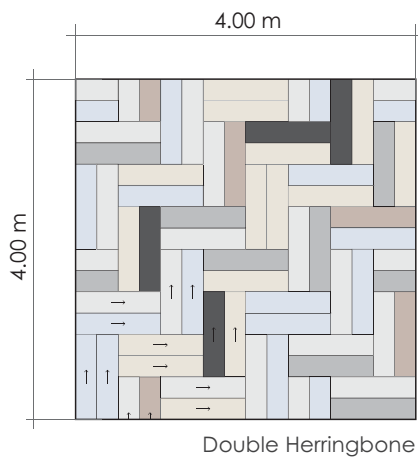
Herringbone



Herringbone
45°



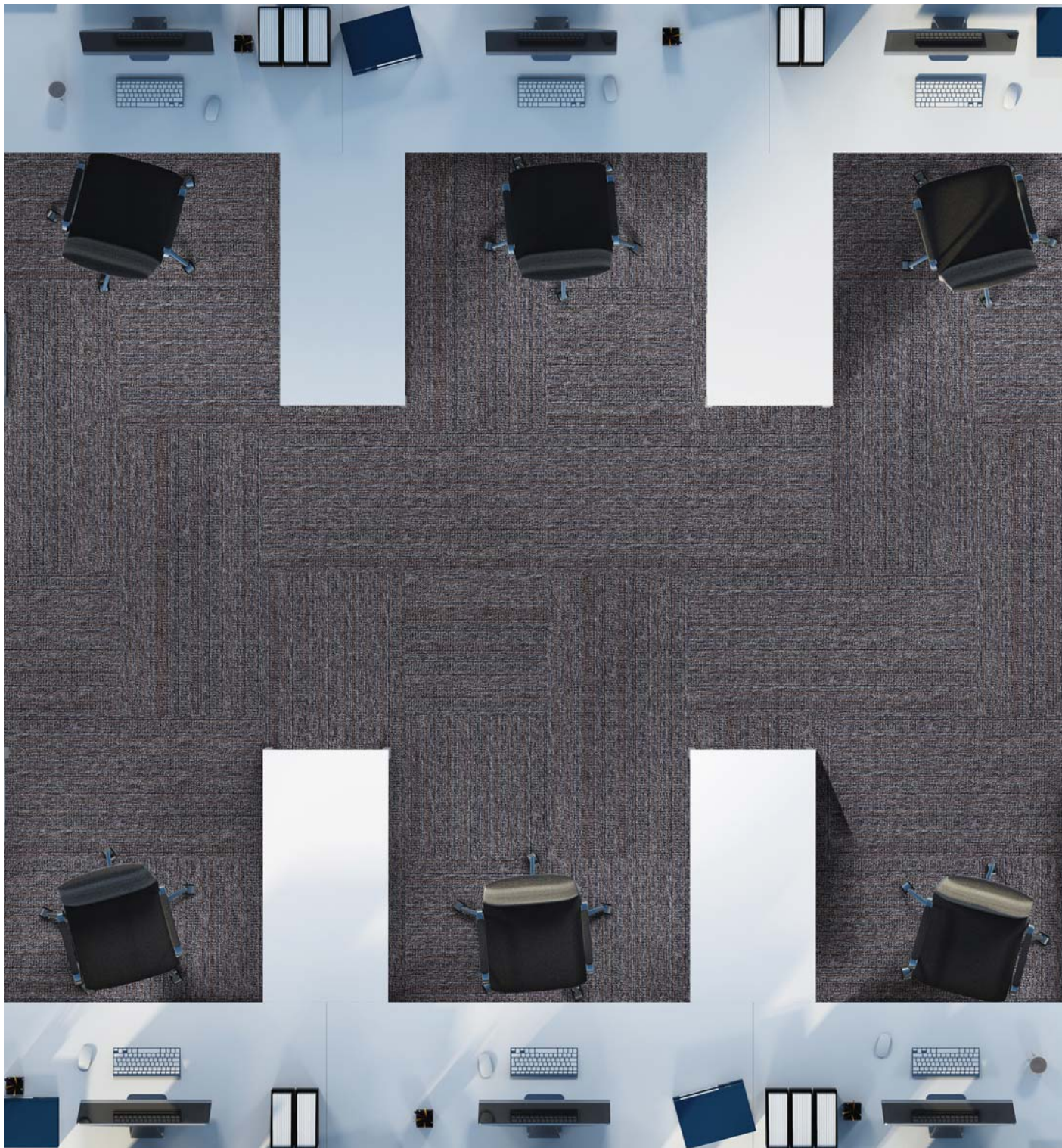
RIPPLE
RP 06_SAND DUNE



- | | | | | | | |
|---|---|---|---|---|---|--------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | |
| | | | | | | (1) Brushed Chrome_RP 05 |
| | | | | | | (2) Casted Iron_RP 01 |
| | | | | | | (3) Washed Jeans_RP 04 |
| | | | | | | (4) Sand Dune_RP 06 |
| | | | | | | (5) Copper Wire_RP 03 |
| | | | | | | (6) Coal Mine_RP 07 |



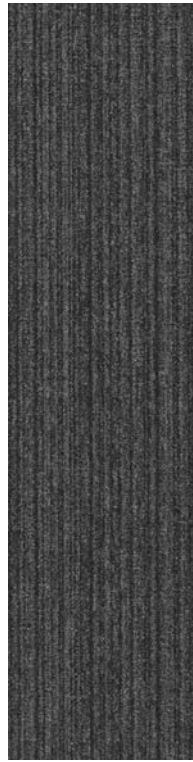




COPPER WIRES_RP 03



Brushed Chrome_
RP 05



Casted Iron_
RP 01



Washed Jeans_
RP 04



Sand Dune_RP 06



Copper Wires_RP 03



Coal Mine_RP 07



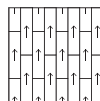
BOUNDARY
Rustic Grey_BO 01

BOUNDARY

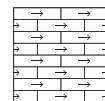
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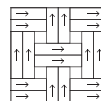
Installation Method



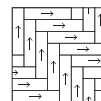
Ashlar



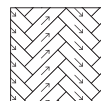
Brick Lay



Weave



Herringbone



Herringbone
45°



Silk Road BO 06



Rustic Grey_BO 01



Nickel_BO 02



Beyond Grey_BO 03



Coastal_BO 04



Forest Moss_BO 05



Silk Road_BO 06

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Indoor Advantage™ Gold



039-009-3545



ECS Level 4



ISO 9001:2015



ISO 14001:2015