



**Feltech**  
acoustic carpet tile

# SEASCAPE

25\*100

[www.feltech.co.th](http://www.feltech.co.th)

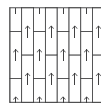


# Seascape

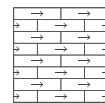
## SPECIFICATIONS

Construction	Textured Tufted Loop Pile
Pile Content	Solution dyed nylon with anti static filaments
Pile Treatment	Stain Protector & Soil Repellent
Machine Gauge	1/12
Pile Thickness	4 mm +/- 10%
Total Thickness	8 mm +/- 10%
Tufted Density	200,000 / m <sup>2</sup>
Primary Backing	100% non woven synthetic spunbond
Secondary Backing	EcoStep <sup>®</sup> , 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)

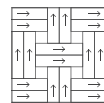
## Installation Method



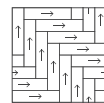
Ashlar



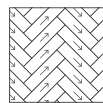
Brick Lay



Weave



Herringbone



Herringbone  
45°



## 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

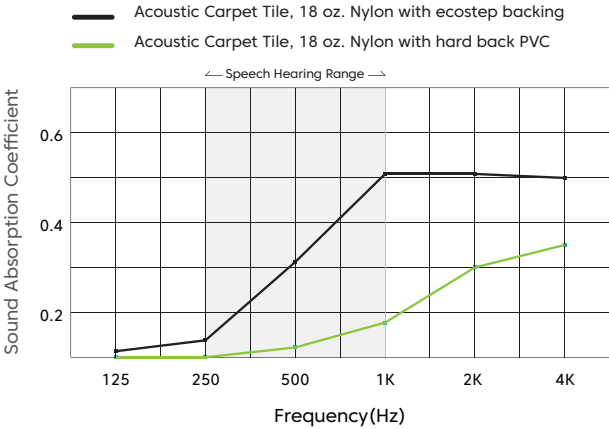
EcoStep® does not contain any Volatile Organic Compounds (VOCs).

# Acoustic Values

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

Absorption Coefficients-Sabins /FT<sup>2</sup>

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 Tranmission 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

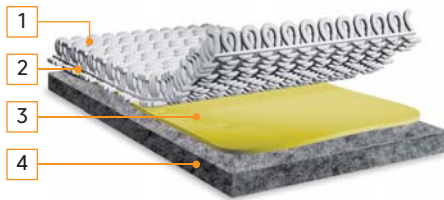
**Impact Insulation Class**      IIC      66  
 (over a six inch concrete slab with a drop ceiling)

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 <sup>2</sup> 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 ingestion

## 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(α <sub>w</sub> )	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

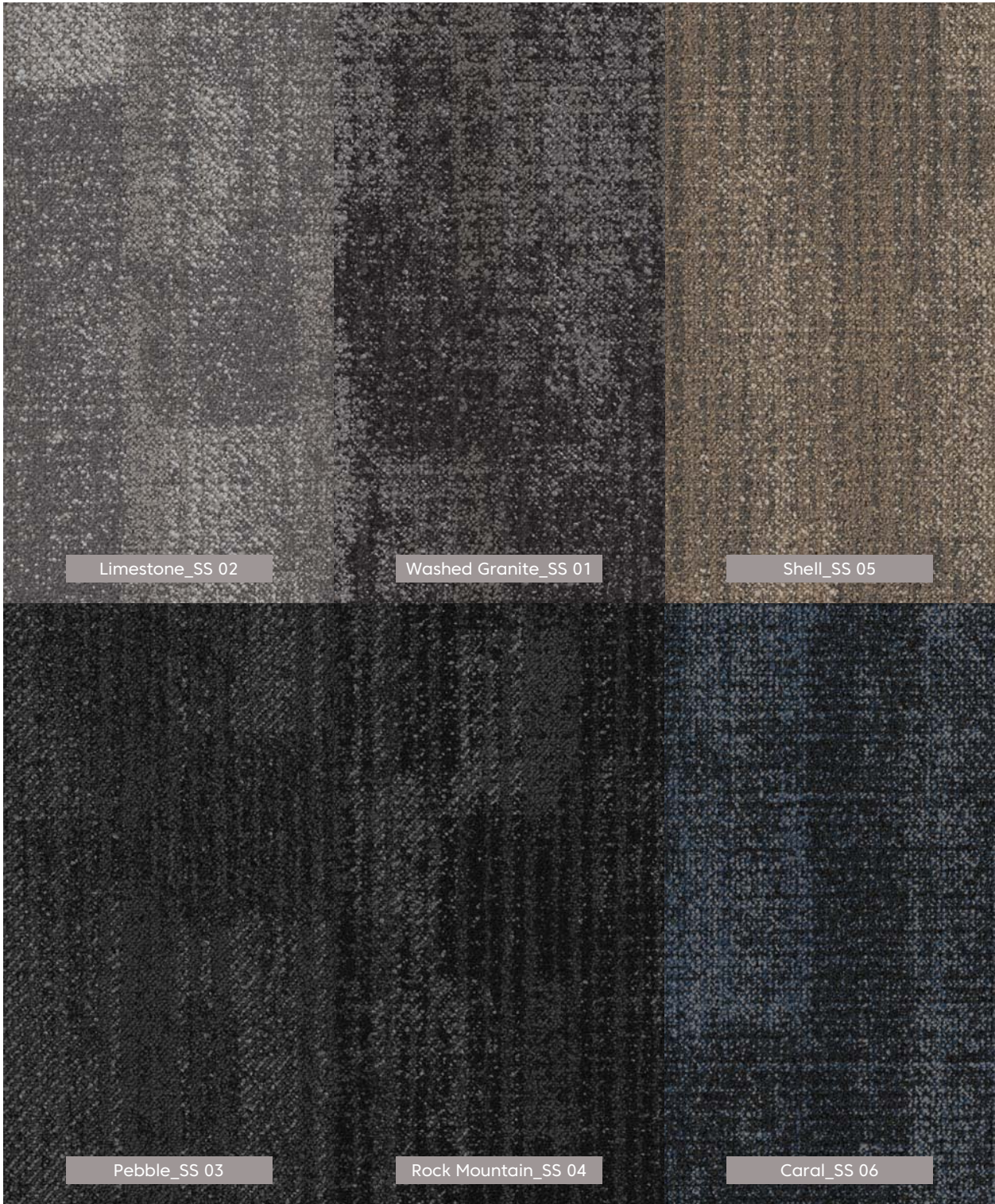


Washed Granite\_SS 01





Limestone\_SS 02



Limestone\_SS 02

Washed Granite\_SS 01

Shell\_SS 05

Pebble\_SS 03

Rock Mountain\_SS 04

Coral\_SS 06



Limestone\_SS 02