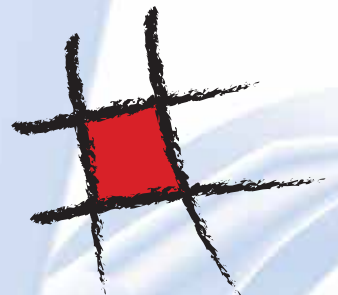
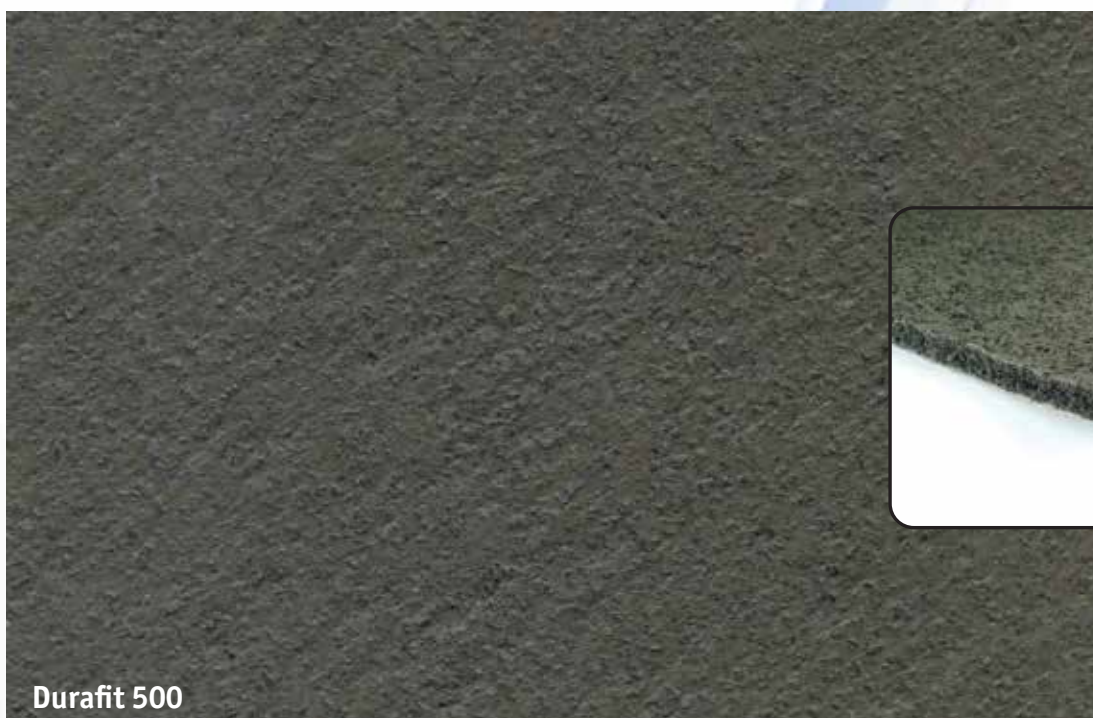


# Underlay



# Rubber Underlay



Durafit 500

**Duralay**

**DURAFIT 500**

## Underlay Technical Specification



### Certification



### Guarantee

Guaranteed for the serviceable lifetime of the carpet when used in accordance with the End Use Classification

### Crumb Rubber

Suitable for both stretch-fit and double-stick applications

End Use Classification (BS 5808 : 1991): HC/U, Heavy Contract Use

### Standard Specifications

Nominal square weight †	2100 g/m <sup>2</sup> (62 oz/yd <sup>2</sup> )
Nominal roll weight †	31.6 kg (70 lbs)
Roll area*	15.07m <sup>2</sup> (1.37m x 11.0m)

### BS 5808 : 1991

End Use Classification	HC/U, Heavy Contract Use	
Nominal thickness †	5.25mm	BS 4051
Work of compression minimum 50 J/m <sup>2</sup>	75 J/m <sup>2</sup>	BS 4908 & BS 4052
Retention of work of compression (min 40%)	100%	BS 4908 & BS 4052
Compression after dynamic loading	2.0mm	BS 4908 & BS 4052
Loss in thickness after dynamic loading (max 15%)	4.3%	BS 4052
Loss in thickness after static loading (max 15%)	3.8%	BS 3939
Breaking strength (length/width) min. 40N	700N / 300N	BS 2576
Extension under force (length/width) max. 10%@40N	1.0% / 0.5%	
Resistance to cracking (not greater than 50 mm)	Pass	BS 5808

### Flammability

Hot metal nut test (tested in interfloor laboratory)	Low radius of effects of ignition	BS 4790 & BS 5287
German radiant panel	Material complied with B1 classification	DIN 4102 pt 14
(tested in conjunction with Brinton's Marquis carpet)		
Kleinbrenner	Material complied with B2 classification	DIN 4102 pt 14
(tested in conjunction with Brinton's Marquis carpet)		
French radiant panel	Class M3	NFP 92-506
(tested in conjunction with Axminster 1126/47 carpet)		
Critical radiant flux	Cat 1: Institutional buildings	ASTM E648 / NFPA253
(tested in conjunction with Axminster 1126/47 carpet)		

### Other Specifications

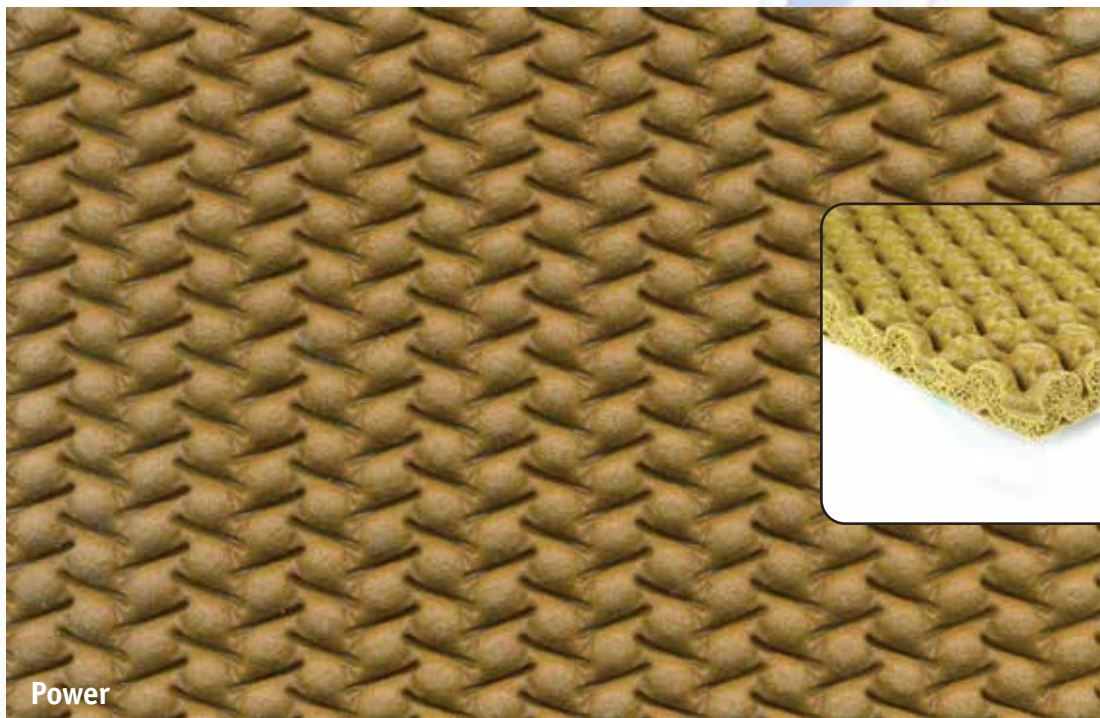
Odour	No objectionable odour	
Antimicrobial and mildew resistant	Yes	
Colour / backing	Black / woven polypropylene backing	
Packaging	Grey film / black print	
Thermal resistance	0.83 togs	BS 4745
Impact sound reduction (Delta Lw)	25dB	BSEN ISO 140-8 : 1998 and BSEN ISO 717-2 : 1997
Emissions (US Carpet & Rug Institute)	Meets low VOC emission criteria	

### Notes

\* The nominal roll dimensions have been quoted. These may vary slightly, but will still equate to the area quoted. This does not constitute a manufacturing specification. It details important performance and physical characteristics only.

† ±5%

# Rubber Underlay



Power

**TREDAIRE**

**POWER**

## Underlay Technical Specification



### Sponge Rubber

Suitable for the stretch-fit installation of carpets

End Use Classification (BS 5808 : 1991): L/U, Luxury Use

### Standard Specifications

Nominal square weight †	3254 g/m <sup>2</sup> (96 oz/yd <sup>2</sup> )
Nominal roll weight †	35.7 kg
Roll area*	10.96m <sup>2</sup> (1.33m x 8.24m)

### BS 5808 : 1991

End Use Classification	L/U, Luxury Use	
Nominal thickness †	5.60mm	BS 4051
Work of compression minimum 50 J/m <sup>2</sup>	140 J/m <sup>2</sup>	BS 4908 & BS 4052
Retention of work of compression (min 40%)	80%	BS 4908 & BS 4052
Compression after dynamic loading	5.2mm	BS 4908 & BS 4052
Loss in thickness after dynamic loading (max 15%)	4.3%	BS 4052
Loss in thickness after static loading (max 15%)	4.8%	BS 3939
Resistance to cracking (not greater than 50 mm)	Pass	BS 5808
Flammability (Hot metal nut test)	Low radius of effects of ignition	BS 4790 & BS 5287

### Other Specifications

Odour	No objectionable odour
Antimicrobial and mildew resistant	Yes
Colour / backing	Gold / printed Textron® backing
Packaging	Yellow film / blue print
Thermal resistance	-
Impact sound reduction (Delta Lw)	-
Emissions (US Carpet & Rug Institute)	Meets low VOC emission criteria

### Certification



### Guarantee

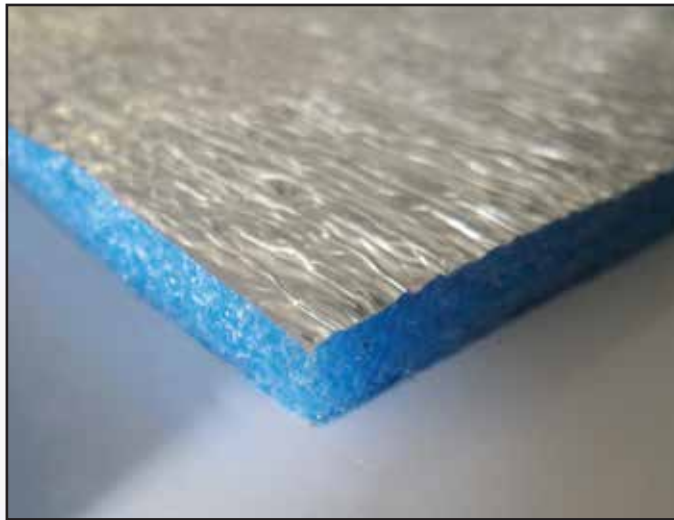
Guaranteed for the serviceable lifetime of the carpet when used in accordance with the End Use Classification

### Notes

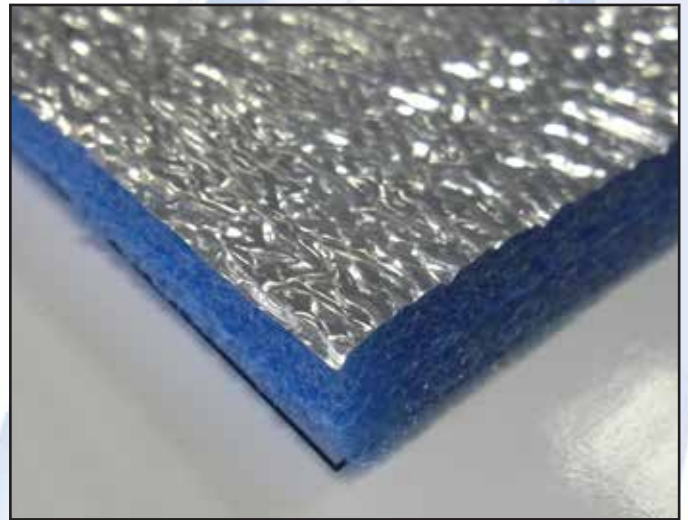
\* The nominal roll dimensions have been quoted. These may vary slightly, but will still equate to the area quoted. This does not constitute a manufacturing specification. It details important performance and physical characteristics only.

† ±5%

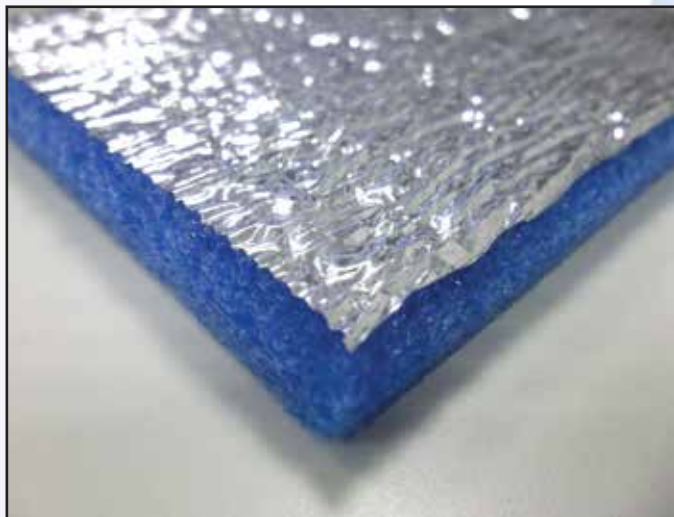
# PE Foam - Silver Underlay



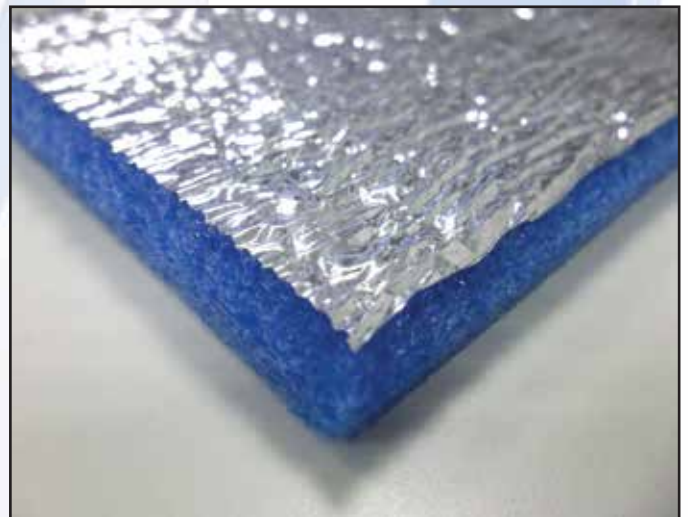
6 mm



8 mm



10 mm



12 mm

## Heat Insulation Characteristics

It has many characteristics that make it distinguished from other competing materials:

- Shock Absorbing
- Water Proofing
- Heat Insulating
- Flexible and Easy Handling
- Easy Laminating
- Easy Punching
- Strong Chemical Resistance
- Non-Hazardous

## Technical Specification

Thickness	Width	Length
6mm	1m	25m
8mm	1m	25m
10mm	1m	25m
12mm	1m	25m

## Technical Specification

Description	Unit	Value				Test Method
		6mm	8mm	10mm	12mm	
Thickness	Mm	6mm	8mm	10mm	12mm	ASTM D - 792
Density	g/cm <sup>2</sup>	0.04	0.04	0.04	0.04	ASTM D - 792
Cell Size	Mm	0.82	0.82	0.82	0.82	ASTM D - 3576
Thermal Conductivity	W/m.°C	0.0406	0.0406	0.0406	0.0406	ASTM D - 5930
Thermal Resistance	M <sup>2.0</sup> /w	0.1478	0.1970	0.2463	0.2956	ASTM C - 167
Tensile Strength	kg/cm <sup>3</sup>	MD 3.8/ CD 2.8	MD 3.6/ CD 2.7	MD 3.67/ CD 2.72	MD 4.2/ CD 2.05	ASTM D - 638
Elongation	%	MD 100/ CD 85	MD 105/ CD 90	MD 108/ CD 87	MD 105/ CD 80	ASTM D - 638
Heat Dimensional Stability	%	1+	1+	1+	0.8+	ASTM D - 6289
Water Absorption	Mg/cm <sup>2</sup>	0.170	0.37	0.72	0.93	ASTM D - 570
Moisture	g/m <sup>2</sup> .24hr	0.48	0.52	0.64	0.96	ASTM D - 570
Permeability						
Tearing Strength	Kg/cm	4.5	1.5	2.0	2.0	
The Permanent	%	14	18	22	23	
Compression set (100kg/cm <sup>2</sup> )						

Density	ASTM D - 729	0.04 g/cm <sup>3</sup>
Cell Size	ASTM D - 3576	0.82mm
Permanent		9% for 100kgf/cm <sup>2</sup>
Chemical resistant	ASTM D - 543-56T	Excellent
Water absorption	ASTM D - 570	0.37mg/cm <sup>2</sup> .24hr
Moisture permeability	ASTM D - 750	Almost
Poisonous gases in case of perfect combustion		None
Weight		21-23 kg/roll
Wear guarantee		Life time of the carpet

## Characteristic of Pe Foam Underlay

- Extends the life of the carpet
- Doesn't absorb water
- Provides comfort to the feet
- Provides a silent step to reduce noise transfer in multi-layered buildings
- Stop heat-cold transfer from the floor to the carpet
- Non-poisonous and chemical resistant
- Works with all kinds of glue even the cheapest
- Doesn't need wooden grippers at the room's floor angles
- Doesn't need glue tape under the carpet
- Price is very competitive

# Felt Underlay



600 gm



750 gm



950 gm



1250 gm

## Specification

1. Pure fiber Polypropylene (Recycle) - ACC. to 20 A 9AATCC) 2005
2. Anti bacteria - ACC. to AATCC 147 - 1988
3. Flame retardant ACC. to AATCC 147 - 1988
4. Resist the fire expansion - ACC. to FF1-70
5. The total weight with Latex 600 GRMS/SQM and the thickness 5mm with Latex
6. The total weight with Latex 750 GRMS/SQM and the thickness 5.5mm with Latex
7. The total weight with Latex 950 GRMS/SQM and the thickness 6.5mm with Latex
8. The total weight with Latex 1250 GRMS/SQM and the thickness 8.5mm with Latex
9. The tota weight and thickness may vary +/- 10%
10. The width 4mm

# Parquet Underlay



## LAMINATE



FREON  
FREE



1 m x 20 m = 20 m<sup>2</sup>

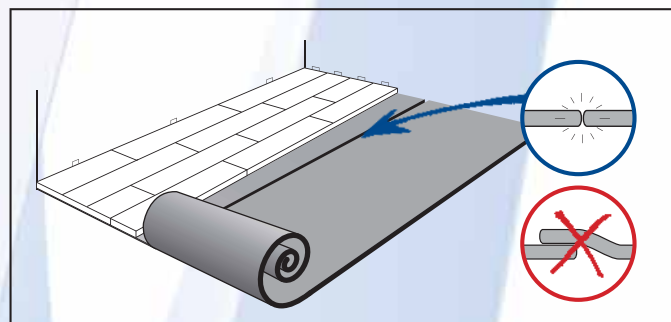


600 gm



750 gm

Developed for floating laminate flooring -  
Adapted to laminate flooring & to 7-15mm  
floating woodfloors



1250 gm

## Technical Specification

Description	Unit	Value			Test Method
Thickness	Mm	2.0	3.0		ASTM D - 792
Density	g/cm <sup>3</sup>	0.04	0.04		ASTM D - 792
Cell Size	Mm	0.82	0.82		ASTM D - 3576
Thermal Conductivity	W/m.°C	0.0406	0.0406		ASTM D - 5930
Thermal Resistance	M <sup>2.0</sup> /w	0.0493	0.0739		ASTM D - 167
Tensile Strength	kg/cm <sup>3</sup>	5.34	5.6		ASTM D - 638
Elongation	%	3.2	3.2		ASTM D - 638
Heat Dimensional Stability	%	110	105		ASTM D - 638
		110	85		
Heat Dimensional Stability	%	4+	3+		ASTM D - 6289
		4-	3-		
Water Absorption	Mg/cm <sup>2</sup>	0.017	0.267		ASTM D - 570
Moisture Permeability	g/m <sup>2</sup> .24hr	0.24	0.39		
Tearing Strength	Kg/cm	1.95	2.0		
The Permanent Compression set (100kg/cm <sup>2</sup> )	%	7	9		

## Characteristics of Parquet Underlay

- Extends life of wooden and laminate floorings
- Doesn't absorb water
- Reduces noise transfer in multi layered building
- Stops heat-cold transfer from and to the wooden floor.
- Non-poisonous and chemical resistant

