



RBI(Europe) Ltd

Lydda dale Lodge
10 Timberdyne close
Rock
Kidderminster
Worcs
DY14 9RT
UK

Phone: +44 1 299 832215
Mobile: +44 7976354829
Email: john@carpetconsultants.co.uk

Estillon b.v.
Bijsterhuizen 22-19
Wijchen
6604 LC
Netherlands

Page 1 of 4

Our ref I/38/11

Your Ref

Sample description: One foam chip underlay
Sample reference: Bestbase

Underlays for textile floorcoverings BS 5808;1991 (2005)

Determination of total underlay mass

989.9 g/m²

Determination of thickness, mm

6.2
6.1
5.9
6.1
6.1
6.1
6.1
6.0
6.0
5.9
6.2

Mean 6.1
Max 6.2
Min 5.9
Range 0.3



RBI(Europe) Ltd

Lydda dale Lodge
10 Timberdyne close
Rock
Kidderminster
Worcs
DY14 9RT
UK

Phone: +44 1 299 832215
Mobile: +44 7976354829
Email: john@carpetconsultants.co.uk

Our ref I/38/11

Page 2 of 4

Determination of thickness loss of textile floorcoverings after prolonged heavy static loading

BS4939:1987 (2007) ISO 3416 – 1986

| | 1 | 2 | 3 | 4 | 5 | Mean |
|------------------------------------|------|------|------|------|------|------|
| Initial thickness, mm | 6.0 | 6.0 | 5.98 | 5.9 | 6.22 | 6.02 |
| Thickness loss after, | | | | | | |
| 24hr under load | 1.5 | 1.4 | 1.16 | 1.45 | 1.62 | 1.43 |
| 24 hr under load 1 hr recovery | 0.36 | 0.38 | 0.83 | 0.25 | 0.66 | 0.40 |
| 24 hr under load 24 hr recovery | 0.16 | 0.18 | 0.16 | 0.20 | 0.21 | 0.18 |
| Thickness loss, percent | 2.7 | 3.0 | 2.7 | 3.4 | 3.4 | 3.0 |
| Thickness recovery, percent | 97.3 | 97.0 | 97.3 | 96.6 | 96.6 | 97.0 |

Determination of thickness loss of textile floorcoverings under dynamic loading

BS ISO 2094:1999 (2005)

| Thickness loss after | Test 1 | Test 2 | Mean |
|-----------------------|--------|--------|------|
| 50 impacts,mm | 0.14 | 0.12 | 0.13 |
| 100 impacts, mm | 0.15 | 0.13 | 0.14 |
| 200 impacts, mm | 0.17 | 0.15 | 0.16 |
| 500 impacts, mm | 0.19 | 0.18 | 0.19 |
| 1000 impacts,mm | 0.22 | 0.19 | 0.21 |
| 1000 impacts, percent | 3.4 | 3.0 | 3.2 |



RBI(Europe) Ltd

Lydda dale Lodge
10 Timberdyne close
Rock
Kidderminster
Worcs
DY14 9RT
UK

Phone: +44 1 299 832215
Mobile: +44 7976354829
Email: john@carpetconsultants.co.uk

Our ref I/38/11

Page 3 of 4

Determination of compression and recovery BS 4098:1975 (2003)

| | As received | After 1000 dynamic loading cycles |
|---------------------------------------|-------------|-----------------------------------|
| Compression, mm | 2.24 | 2.63 |
| Percentage thickness recovery | 95.9 | 88.4 |
| Percentage compression recovery | 93.3 | 72.2 |
| | | |
| Work of compression, J/m ² | 111.1 | 112.1 |

Determination of breaking strength and elongation Underlays for textile floorcoverings BS 5808:1991 (2005)

| | Machine direction | | | Cross direction | | |
|-------------|-------------------|--------------|-------------------|-----------------|--------------|-------------------|
| | strength | | Elongation at 40N | strength | | Elongation at 40N |
| | Kg | N | percent | Kg | N | percent |
| | 19.0 | 186.4 | 1.2 | 18.0 | 176.6 | 4.0 |
| | 15.0 | 147.2 | 1.0 | 13.5 | 132.4 | 4.0 |
| | 16.5 | 161.9 | 1.0 | 17.5 | 171.7 | 4.0 |
| | 17.5 | 171.7 | 1.2 | 17.5 | 171.7 | 3.6 |
| | 18.5 | 181.5 | 2.0 | 18.5 | 181.5 | 4.2 |
| Mean | 17.3 | 169.7 | 1.3 | 17.0 | 166.8 | 4.0 |



RBI(Europe) Ltd

Lydda dale Lodge
10 Timberdyne close
Rock
Kidderminster
Worcs
DY14 9RT
UK

Phone: +44 1 299 832215
Mobile: +44 7976354829
Email: john@carpetconsultants.co.uk

Our ref I/38/11

Page 4 of 4

Underlays for textile floorcoverings BS 5808:1991(2005)

Resistance to breaking and cracking

| Machine direction | | Cross direction | |
|-------------------|-----------------|-----------------|-----------------|
| Loaded fold | Non-loaded fold | Loaded fold | Non-loaded fold |
| No cracking | No cracking | No cracking | No cracking |

Classification

When the underlay is classified in accordance with BS 5808:1991(2005) work of compression after dynamic loading versus compression after dynamic loading the description is:-

HC/U Heavy contract use, suitable for heavy foot and wheel traffic and castor chairs

John T. Hopkins
25.10.11