

# Test Certificate



This certificate confirms that the

**Foam – Ref: CMHR 4055**

Supplied by

**Flex 2000**

has been tested at FIRA International Limited and successfully satisfied the requirements from:

**Schedule 1 part I of the Furniture and Furnishings (Fire) (Safety) Regulations 1988,  
amended 1989, 1993 and 2010 (based on BS 5852: 1982 Part 2)**

Report reference: TFFLF39790

**SIGNATURE**

Stephen Cotton

**POSITION**

Technical Specialist - Flammability

**CERTIFICATE DATE**

22 August 2011

For and on behalf of FIRA INTERNATIONAL LIMITED

*This certificate only relates to the sample(s) supplied and tested at the time. Re-testing at intervals is recommended and should be subject to agreement between the supplier and the purchaser.*



Product	Flexible Polyurethane Foam
Ref.	<b>CMHR 40 55</b>
Type	High Resilience Polyether

Physical characteristics	Limits	Unit	Test method	Based on the norm
Density	40,0 ± 3	[kg/m <sup>3</sup> ]	PQL001	ISO 845
ILD25%	134 – 182	[N]	PQL002	ISO 2439
ILD40%	170 – 230	[N]	PQL002	ISO 2439
ILD65%	330 – 445	[N]	PQL002	ISO 2439
Elongation at break	min. 90	[%]	PQL003	ISO 1798
Tensile Strength	min. 100	[kPa]	PQL003	ISO 1798
Compression hardness CV40%	5,5 ± 0,5	[kPa]	PQL004	ISO 3386/1
Resilience	min. 50	[%]	PQL005	ASTM D 3574
Permanent deformation at 75%	max. 10	[%]	PQL006	ISO 1856
Combustibility (loss of mass)	Approved according to the requirements of: <i>“Furniture and Furnishings (Fire) (Safety) Regulations 1988 – Amended 1989 and 1993 Schedule 1 Part I”</i>			

Product	Flexible Polyurethane Foam
Ref.	<b>CMHR 30 30</b>
Type	High Resilience Polyether

Physical characteristics	Limits	Unit	Test method	Based on the norm
Density	30,0 ± 3	[kg/m <sup>3</sup> ]	PQL001	ISO 845
ILD25%	80 – 110	[N]	PQL002	ISO 2439
ILD40%	105 – 144	[N]	PQL002	ISO 2439
ILD65%	195 – 265	[N]	PQL002	ISO 2439
Elongation at break	min. 90	[%]	PQL003	ISO 1798
Tensile Strength	min. 120	[kPa]	PQL003	ISO 1798
Compression hardness CV40%	3,0 ± 0,5	[kPa]	PQL004	ISO 3386/1
Resilience	min. 50	[%]	PQL005	ASTM D 3574
Permanent deformation at 75%	max..7.0	[%]	PQL006	ISO 1856
Combustibility (loss of mass)	Approved according to the requirements of: <i>“Furniture and Furnishings (Fire) (Safety) Regulations 1988 – Amended 1989 and 1993 Schedule 1 Part I”</i>			