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Raw Material  
 Work in Process  
 Finished Goods  
 Spare  
 Parts  
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<http://www.slidefinder.net> .Finished Goods

(Russel and Taylor III -

Carrying Cost 2000)

<http://kenanaonline.com/users/DrNabihaGaber>

(Fitzsimmons, and McGraw-Hill,- 2000)

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Obselence and Deterioration Cost

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Risk Cost

(Nahmias, McGraw-Hill - 2005)

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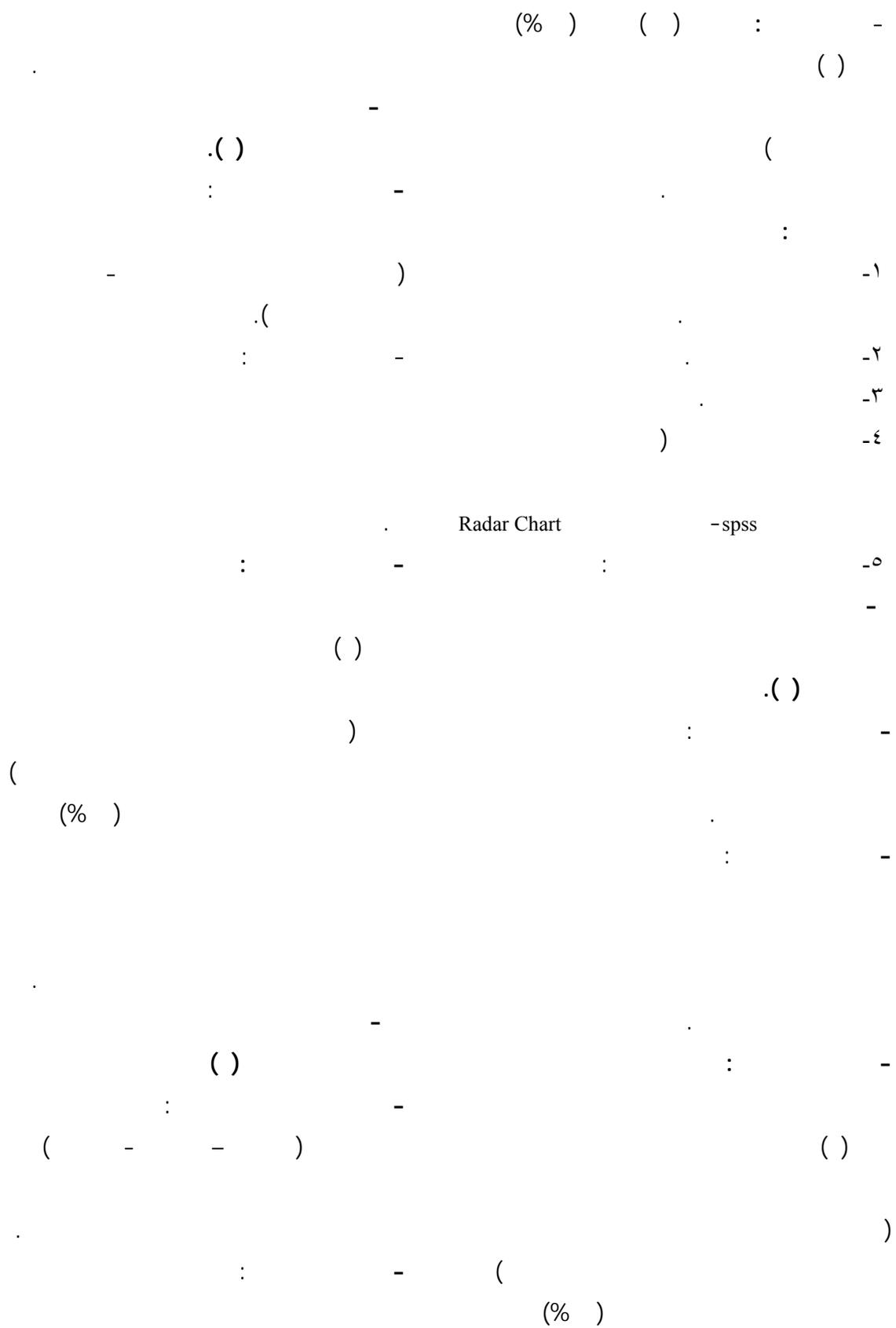
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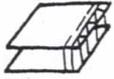
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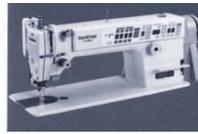


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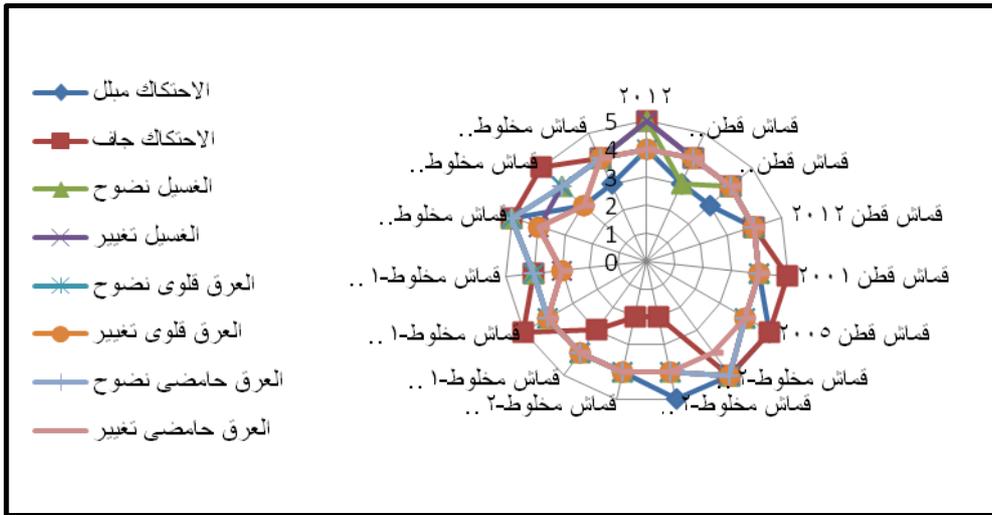
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14.3 ±	0.3 <sup>abc</sup>	30 ±	1 <sup>a</sup>	40.3 ±	2 <sup>ab</sup>	16 ±	2.3 <sup>a</sup>	2012	
19.3 ±	0.3 <sup>f</sup>	14 ±	0.1 <sup>d</sup>	24.3 ±	2 <sup>d</sup>	7.3 ±	0.8 <sup>c</sup>	2009	.
34.3 ±	1.4 <sup>d</sup>	21 ±	0.5 <sup>ab</sup>	38 ±	1.1 <sup>b</sup>	11.6 ±	0.8 <sup>abc</sup>	2005	\
41.6 ±	0.8 <sup>a</sup>	24.6 ±	0.8 <sup>a</sup>	43 ±	1.7 <sup>ab</sup>	12.3 ±	1.4 <sup>ab</sup>	2012	-
30.6 ±	0.8 <sup>e</sup>	16.3 ±	0.8 <sup>c</sup>	32 ±	0.5 <sup>c</sup>	6.6 ±	0.8 <sup>c</sup>	2009	\
40.3 ±	0.8 <sup>abc</sup>	13.6 ±	0.3 <sup>d</sup>	41 ±	0.5 <sup>ab</sup>	7 ±	0.5 <sup>c</sup>	2005	\
55 ±	1 <sup>a</sup>	36.6 ±	0.8 <sup>a</sup>	54.3 ±	1.2 <sup>a</sup>	25 ±	1.7 <sup>a</sup>	2012	-
41 ±	0.1 <sup>ab</sup>	27.6 ±	0.3 <sup>a</sup>	41.6 ±	0.8 <sup>ab</sup>	15 ±	1.7 <sup>a</sup>	2007	\
29.6 ±	0.8 <sup>e</sup>	19.3 ±	0.8 <sup>b</sup>	32.3 ±	1.3 <sup>c</sup>	10 ±	1.1 <sup>abc</sup>	2003	\
41.3 ±	0.8 <sup>a</sup>	35 ±	0.5 <sup>a</sup>	42.3 ±	1.4 <sup>ab</sup>	17.6 ±	1.4 <sup>a</sup>	2012	
38.3 ±	1.2 <sup>bc</sup>	29 ±	0.5 <sup>a</sup>	39.6 ±	0.8 <sup>b</sup>	14.6 ±	2.6 <sup>a</sup>	2005	%
37.6 ±	0.8 <sup>c</sup>	22.6 ±	0.6 <sup>a</sup>	39.6 ±	2.9 <sup>b</sup>	11.6 ±	1.4 <sup>abc</sup>	2001	
54.6 ±	0.8 <sup>a</sup>	14.3 ±	0.6 <sup>d</sup>	45 ±	2.3 <sup>a</sup>	14.6 ±	2 <sup>a</sup>	2012	
48.3 ±	0.6 <sup>a</sup>	11 ±	0.5 <sup>c</sup>	31.3 ±	0.6 <sup>c</sup>	11.6 ±	0.8 <sup>abc</sup>	2007	%
40 ±	1.1 <sup>abc</sup>	8 ±	0.1 <sup>f</sup>	26.6 ±	1.2 <sup>d</sup>	9.3 ±	0.8 <sup>bc</sup>	2003	
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39.6 ±	2.6 <sup>abc</sup>	31.6 ±	1.4 <sup>a</sup>	39.3 ±	2.4 <sup>ab</sup>	19.6 ±	2.6 <sup>ab</sup>	2012	
33.3 ±	1.4 <sup>e</sup>	15.6 ±	2.6 <sup>de</sup>	23.6 ±	3.1 <sup>d</sup>	10 ±	0.5 <sup>ef</sup>	2009	. \ .
36.6 ±	4 <sup>bcd</sup>	24.6 ±	2.3 <sup>ab</sup>	30.3 ±	0.8 <sup>c</sup>	14.3 ±	2 <sup>cde</sup>	2005	\
46 ±	1.1 <sup>a</sup>	28.3 ±	1.4 <sup>a</sup>	48.6 ±	1.4 <sup>a</sup>	22 ±	1.7 <sup>a</sup>	2012	-
42.3 ±	1.4 <sup>ab</sup>	18 ±	1.1 <sup>cd</sup>	44.3 ±	2.6 <sup>abc</sup>	16 ±	0.5 <sup>bcd</sup>	2009	\
39.3 ±	0.8 <sup>abc</sup>	15.6 ±	0.8 <sup>de</sup>	37.3 ±	1.4 <sup>ab</sup>	8.6 ±	1.4 <sup>f</sup>	2005	\
47.6 ±	1.4 <sup>a</sup>	24 ±	1.7 <sup>ab</sup>	56.6 ±	1.2 <sup>a</sup>	24.3 ±	2.6 <sup>a</sup>	2012	-
34.6 ±	2.6 <sup>cd</sup>	18.3 ±	2 <sup>cd</sup>	44 ±	2.3 <sup>ab</sup>	18.6 ±	0.8 <sup>abc</sup>	2007	\
24.3 ±	2.6 <sup>e</sup>	12.3 ±	1.4 <sup>e</sup>	34.6 ±	2 <sup>bc</sup>	10.3 ±	0.8 <sup>ef</sup>	2003	\
41 ±	0.5 <sup>abc</sup>	38.3 ±	0.8 <sup>a</sup>	47.3 ±	1.7 <sup>ab</sup>	25 ±	1.1 <sup>a</sup>	2012	
43.3 ±	0.8 <sup>ab</sup>	31 ±	2.6 <sup>a</sup>	44.3 ±	2 <sup>abc</sup>	19 ±	0.5 <sup>abc</sup>	2005	%
40.3 ±	2 <sup>abc</sup>	26.3 ±	0.8 <sup>ab</sup>	35.6 ±	2.6 <sup>bc</sup>	17 ±	1.1 <sup>bcd</sup>	2001	
50 ±	1.7 <sup>a</sup>	29.6 ±	1.4 <sup>ab</sup>	50 ±	1.1 <sup>a</sup>	16.3 ±	2 <sup>bcd</sup>	2012	
44.3 ±	3.1 <sup>ab</sup>	22.3 ±	1.4 <sup>bc</sup>	42.3 ±	0.8 <sup>ab</sup>	12.3 ±	1.4 <sup>def</sup>	2007	%
31.6 ±	0.8 <sup>d</sup>	16 ±	0.5 <sup>de</sup>	38.3 ±	1.4 <sup>ab</sup>	9.3 ±	0.8 <sup>f</sup>	2003	
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41.3 ±	0.8 <sup>a</sup>	22.6 ±	0.3 <sup>a</sup>	42.3 ±	0.3 <sup>a</sup>	14 ±	0.1 <sup>a</sup>	2012	
29 ±	1 <sup>d</sup>	10.3 ±	0.6 <sup>bc</sup>	28.3 ±	0.8 <sup>c</sup>	9.6 ±	0.3 <sup>ab</sup>	2009	. \ .
37.6 ±	0.3 <sup>a</sup>	19.3 ±	1.2 <sup>ab</sup>	38 ±	0.5 <sup>a</sup>	8 ±	0.5 <sup>bcd</sup>	2005	\
48.3 ±	1.2 <sup>a</sup>	13 ±	0.5 <sup>a</sup>	40.6 ±	0.3 <sup>a</sup>	15.6 ±	0.3 <sup>a</sup>	2012	-
40 ±	1 <sup>a</sup>	7.6 ±	0.3 <sup>d</sup>	34.3 ±	1.2 <sup>a</sup>	12.3 ±	1.2 <sup>a</sup>	2009	\
38.3 ±	0.8 <sup>ab</sup>	10 ±	0.5 <sup>c</sup>	34 ±	0.1 <sup>a</sup>	5 ±	0.1 <sup>ef</sup>	2005	\
42.3 ±	0.3 <sup>a</sup>	20 ±	0.1 <sup>a</sup>	41.6 ±	0.8 <sup>a</sup>	12.6 ±	0.8 <sup>a</sup>	2012	-
35 ±	1 <sup>b</sup>	15 ±	0.5 <sup>a</sup>	34.6 ±	0.3 <sup>a</sup>	8.3 ±	0.3 <sup>bc</sup>	2007	\
21.3 ±	0.3 <sup>f</sup>	9.3 ±	0.3 <sup>cd</sup>	20 ±	1 <sup>e</sup>	4.6 ±	0.3 <sup>ef</sup>	2003	\
48 ±	0.5 <sup>a</sup>	19.3 ±	0.1 <sup>a</sup>	44.6 ±	0.8 <sup>a</sup>	11.3 ±	0.6 <sup>a</sup>	2012	
40.3 ±	0.3 <sup>a</sup>	16.3 ±	0.3 <sup>a</sup>	38.3 ±	1.2 <sup>a</sup>	9 ±	0.5 <sup>b</sup>	2005	%
45 ±	0.1 <sup>a</sup>	13.6 ±	0.8 <sup>a</sup>	42.6 ±	0.6 <sup>ab</sup>	7 ±	0.5 <sup>cd</sup>	2001	
44 ±	0.1 <sup>a</sup>	18.3 ±	0.3 <sup>a</sup>	42.3 ±	0.3 <sup>a</sup>	9.3 ±	0.3 <sup>b</sup>	2012	
32.6 ±	0.3 <sup>c</sup>	12 ±	1.1 <sup>ab</sup>	31.6 ±	0.8 <sup>b</sup>	6.3 ±	0.8 <sup>de</sup>	2007	%
24.3 ±	0.1 <sup>e</sup>	8.6 ±	0.3 <sup>cd</sup>	26 ±	1 <sup>d</sup>	3.6 ±	0.3 <sup>f</sup>	2003	
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44 ±	0.5 <sup>a</sup>	22 ±	1.1 <sup>a</sup>	44.6 ±	1.4 <sup>a</sup>	13.3 ±	0.8 <sup>ab</sup>	2012	
32.3 ±	1.4 <sup>de</sup>	9.6 ±	0.8 <sup>cde</sup>	30 ±	1.7 <sup>de</sup>	7.3 ±	0.8 <sup>de</sup>	2009	. \ .
39.6 ±	0.8 <sup>ab</sup>	19 ±	0.5 <sup>a</sup>	41.6 ±	0.8 <sup>ab</sup>	11.3 ±	2 <sup>bc</sup>	2005	\
51.6 ±	0.8 <sup>a</sup>	12.3 ±	1.4 <sup>abc</sup>	56.3 ±	1.4 <sup>a</sup>	15.6 ±	2.3 <sup>a</sup>	2012	-
48.6 ±	2 <sup>a</sup>	7.3 ±	0.8 <sup>e</sup>	51.3 ±	0.8 <sup>a</sup>	10.3 ±	0.8 <sup>bcd</sup>	2009	\
48.3 ±	2 <sup>a</sup>	8 ±	1.1 <sup>de</sup>	50 ±	2.8 <sup>a</sup>	7 ±	0.5 <sup>de</sup>	2005	\
38.3 ±	2.6 <sup>abc</sup>	29.3 ±	2 <sup>a</sup>	39.6 ±	2 <sup>ab</sup>	15.6 ±	0.8 <sup>a</sup>	2012	-
30 ±	1.7 <sup>e</sup>	20.3 ±	1.4 <sup>a</sup>	33 ±	1.7 <sup>cd</sup>	10.6 ±	0.8 <sup>bcd</sup>	2007	\
22 ±	1.1 <sup>f</sup>	14.3 ±	1.4 <sup>ab</sup>	24.6 ±	1.4 <sup>e</sup>	7.3 ±	0.8 <sup>de</sup>	2003	\
49.6 ±	2 <sup>a</sup>	17.3 ±	0.8 <sup>a</sup>	53.6 ±	1.4 <sup>a</sup>	19 ±	0.5 <sup>a</sup>	2012	
41 ±	0.5 <sup>ab</sup>	14 ±	1.1 <sup>abc</sup>	42.6 ±	1.4 <sup>ab</sup>	15.6 ±	0.8 <sup>a</sup>	2005	%
49 ±	2.3 <sup>a</sup>	11.6 ±	1.4 <sup>bcd</sup>	50 ±	1.1 <sup>a</sup>	9.6 ±	0.8 <sup>bcd</sup>	2001	
43.3 ±	2 <sup>a</sup>	16.3 ±	2.6 <sup>a</sup>	54.6 ±	2.6 <sup>a</sup>	12 ±	1.1 <sup>abc</sup>	2012	
37.3 ±	1.4 <sup>bcd</sup>	12 ±	1.1 <sup>bcd</sup>	44.3 ±	3.1 <sup>a</sup>	9 ±	1.1 <sup>cde</sup>	2007	%
33.3 ±	2 <sup>cde</sup>	9 ±	1.1 <sup>de</sup>	37 ±	1.7 <sup>bc</sup>	6 ±	1.1 <sup>e</sup>	2003	
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AATCC –15 -1973: Test Method for Color Fastness to Perspiration of Fabrics.

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<http://www.slidefinder.net>

<http://kenanaonline.com/users/DrNabihaGaber>

## Storage Impact on The Physical and Mechanical Properties of The Shirts Gents

Aziza Ahmed Mohamed El Akliy

Clothing and Textile department-Faculty of Home Economic

### ABSTRACT

This research aims to study the physical and mechanical properties of fabrics, which makes them the shirt Gents a cotton and blended fabrics in store Misr Company for Spinning and Weaving Mahalla al-Kubra produced from 2001 until 2012 AD As well as links knitting (shoulder line - side line - armhole – sleeve line) from these shirts Gents access to the relationship between the length of the storage period and their impact on the quality of the shirts Gents to achieve end-use properties, Final through laboratory tests on fabrics and links knitting and work processors Statistical using her (spss-description of the study variables using forms Radar Chart), and also through the design of questionnaires are open to the research sample, which consisted of a number (40) Single distributed according to the variables of search:

A - Owners of companies and factories producing shirts Gents.

B - Marketing managers Ready-made shops.

C - Specialists in the field of clothing and textiles.

To learn about their views on the process of storing Shirt Gents and the impact on quality.

### Results:

- 1-Increase the storage period I durability Shirt Gents fabrics and its impact directly on the physical and mechanical properties of fabrics, As well as affect the dye-equipped shirt on quality fabrics, This confirms the results of laboratory tests (weight per square meter - Density - Namira thread - tensile - Rip strength) which reported lower values over the time period of the store, which led to the weakness of the cloth.
- 2-Changed the properties of stability fabrics for Ready-made (T-Shirt Gents) increase the storage period where I said 10% as a result of the change in the weather factors of temperature and humidity that affect the dye equipped with cloth and confirms the results of laboratory tests (friction - washing - sweat).
- 3-Tensile strength weakened links taken from knitting shirts Gents from 2001 until 2012 and used in sewing thread 100% cotton and polyester thread 100%, The results recorded a marked reduction in rights tighten links for all samples sewing thread woven cotton and polyester before and after the washing process, But the researcher noticed the same pieces of cloth woven with samples with polyester thread and not cutting in line knitting These results confirm the presence of very high spirits 0.00 and the presence of statistically significant.
- 4-I agree with previous findings views of each of the owners of companies and factories producing shirts Gents, and marketing managers Ready-made shops, and specialists in the field of clothing and textiles where underlined the lack of durability of fabrics Shirt Gents after exposure to storage, And also the need for a special specifications for the t-shirts store Gents take into account the breadth and ventilation, lighting, security and safety requirements.







