



European Federation of  
Corrugated Board Manufacturers

## **Annual Statistics 2008**

## FEFCO ANNUAL STATISTICS 2008

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## FEFCO ANNUAL REPORT 2008 Key Statistics

	2007	2008	% Change
Total Shipments (Millions of m <sup>2</sup> ) (including Non-Members)	41 419	40 432	-2,40
Total Shipments ('000 Tonnes) (including Non-Members)	22 182	21 483	-3,20
Shipments of Member Companies (Millions of m <sup>2</sup> )	36 351	35 303	-2,90
Shipments of Member Companies ( '000 Tonnes)	19 459	18 752	-3,80
Total Number of Companies (including Non-Members)	449	426	-5,40
Total Number of Plants (including Non-Members)	718	701	-2,40
Average Weight of Board in g/m <sup>2</sup> (including Non-Members)	522	518	-0,80
Die Cut Boxes (as % of Total Shipments in m <sup>2</sup> ) (including Non-Members & Sheetplants)	39,8	39,8	-2,20
Shipments in Sheets (as % of Total Shipments in m <sup>2</sup> ) (including Non-Members)	21,5	22,0	-0,10
Total Consumption of Raw Materials ( '000 Tonnes) (including Non-Members)	24 095	23 488	-2,50
Consumption of Kraftliner as % of Total Consumption of Raw Materials	6,8	6,7	-1,50
Consumption of Brown Kraftliner as % of Total Consumption of Raw Materials	14,4	14,5	0,70
Consumption of Testliner as % of Total Consumption of Raw Materials	30,8	31,0	0,60
Consumption of Other Recycled Liner as % of Total Consumption of Raw Materials	12,2	12,2	0
Consumption of Semi-chemical Fluting as % of Total Consumption of Raw Materials	8,4	8,3	-1,20
Consumption of Recycled Fluting as % of Total Consumption of Raw Materials	30,4	30,1	-1,00
Total Personnel	92 552	91 229	-1,50

## Total Shipments in Millions of m<sup>2</sup> (including Non-Members)

Coloured countries are NOT included to % Changes Total	2007	2008	% Change 2007/2008
<b>Austria</b>	929	926	-0,38
<b>Belgium</b>	1 069	1 006	-5,93
<b>Croatia</b>	255	n.a.	n.a.
<b>Czech Republic</b>	923	851	-7,80
<b>Denmark</b>	481	440	-8,52
<b>Finland</b>	325	317	-2,46
<b>France</b>	5 542	5 303	-4,31
<b>Germany</b>	8 599	8 544	-0,64
<b>Greece</b>	n.a.	n.a.	n.a.
<b>Hungary</b>	471	481	2,19
<b>Ireland</b>	293	n.a.	n.a.
<b>Italy</b>	6 511	6 380	-2,01
<b>Netherlands</b>	1 168	1 161	-0,60
<b>Norway</b>	204	199	-2,65
<b>Poland</b>	2 484	2 480	-0,17
<b>Portugal</b>	458	n.a.	n.a.
<b>Romania</b>	434	421	-2,94
<b>Slovakia</b>	176	n.a.	n.a.
<b>Spain</b>	4 638	4 419	-4,72
<b>Sweden</b>	690	669	-3,04
<b>Switzerland</b>	496	476	-4,03
<b>Turkey</b>	2 416	2 476	2,50
<b>Ukraine</b>	n.a.	n.a.	n.a.
<b>United Kingdom</b>	4 039	3 884	-3,84
<b>TOTAL EUROPE</b>	<b>42 601</b>	<b>40 432</b>	<b>-2,40</b>

Remark P3

Line 2

Line 3

### Total Shipments in 000's Tonnes (including Non-Members)

	2007	2008	% Change 2007/2008
<b>Austria</b>	455	452	-0,66
<b>Belgium</b>	584	543	-7,02
<b>Croatia</b>	124	n.a.	n.a.
<b>Czech Republic</b>	455	422	-7,25
<b>Denmark</b>	255	233	-8,63
<b>Finland</b>	164	159	-3,05
<b>France</b>	2 997	2 833	-5,47
<b>Germany</b>	4 528	4 473	-1,22
<b>Greece</b>	n.a.	n.a.	n.a.
<b>Hungary</b>	241	250	3,62
<b>Ireland</b>	156	n.a.	n.a.
<b>Italy</b>	3 837	3 705	-3,44
<b>Netherlands</b>	671	660	-1,64
<b>Norway</b>	102	98	-4,37
<b>Poland</b>	1 257	1 257	-0,02
<b>Portugal</b>	234	n.a.	n.a.
<b>Romania</b>	205	198	-3,64
<b>Slovakia</b>	89	n.a.	n.a.
<b>Spain</b>	2 528	2 406	-4,82
<b>Sweden</b>	346	329	-4,91
<b>Switzerland</b>	261	244	-6,51
<b>Turkey</b>	1 370	1 389	1,39
<b>Ukraine</b>	n.a.	n.a.	n.a.
<b>United Kingdom</b>	1 926	1 833	-4,83
<b>TOTAL EUROPE</b>	<b>22 785</b>	<b>21 483</b>	<b>-3,20</b>

Remark P4

## Shipments of Member Companies in Millions of m<sup>2</sup>

	2007	2008	% Change 2007/2008
<b>Austria</b>	929	926	-0,38
<b>Belgium</b>	909	855	-5,96
<b>Croatia</b>	255	n.a.	n.a.
<b>Czech Republic</b>	619	547	-11,63
<b>Denmark</b>	481	440	-8,52
<b>Finland</b>	325	317	-2,46
<b>France</b>	4 825	4 605	-4,56
<b>Germany</b>	7 463	7 328	-1,81
<b>Greece</b>	n.a.	n.a.	n.a.
<b>Hungary</b>	456	461	1,10
<b>Ireland</b>	287	n.a.	n.a.
<b>Italy</b>	5 776	5 627	-2,58
<b>Netherlands</b>	1 128	1 096	-2,84
<b>Norway</b>	204	199	-2,65
<b>Poland</b>	1 914	1 914	-0,01
<b>Portugal</b>	458	n.a.	n.a.
<b>Romania</b>	414	402	-2,92
<b>Slovakia</b>	176	n.a.	n.a.
<b>Spain</b>	4 269	4 068	-4,72
<b>Sweden</b>	690	669	-3,04
<b>Switzerland</b>	496	476	-4,03
<b>Turkey</b>	1 715	1 794	4,60
<b>Ukraine</b>	n.a.	n.a.	n.a.
<b>United Kingdom</b>	3 738	3 581	-4,20
<b>Membership Total</b>	<b>37 527</b>	<b>35 303</b>	<b>-2,90</b>

Remark P5

## Shipments of Member Companies in 000's Tonnes

	Membership 2007		Membership 2008	
	Tonnes	% of Total Shipments	Tonnes	% of Total Shipments
<b>Austria</b>	455	100,00	452	100,00
<b>Belgium</b>	497	85,10	462	85,05
<b>Croatia</b>	124	100,00	<b>n.a.</b>	<b>n.a.</b>
<b>Czech Republic</b>	305	67,03	272	64,45
<b>Denmark</b>	255	100,00	233	100,00
<b>Finland</b>	164	100,00	159	100,00
<b>France</b>	2 603	86,85	2 461	86,87
<b>Germany</b>	3 931	86,82	3 835	85,74
<b>Greece</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>
<b>Hungary</b>	233	96,68	239	95,68
<b>Ireland</b>	153	98,08	<b>n.a.</b>	<b>n.a.</b>
<b>Italy</b>	3 423	89,21	3 298	89,01
<b>Netherlands</b>	646	96,27	619	93,79
<b>Norway</b>	102	100,00	98	100,00
<b>Poland</b>	969	77,06	966	76,88
<b>Portugal</b>	234	100,00	<b>n.a.</b>	<b>n.a.</b>
<b>Romania</b>	196	95,77	188	95,03
<b>Slovakia</b>	89	100,00	<b>n.a.</b>	<b>n.a.</b>
<b>Spain</b>	2 327	92,05	2 215	92,05
<b>Sweden</b>	346	100,00	329	100,00
<b>Switzerland</b>	261	100,00	244	100,00
<b>Turkey</b>	973	71,02	1 005	72,35
<b>Ukraine</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>
<b>United Kingdom</b>	1 772	92,00	1 678	91,54
<b>Membership Total</b>	<b>20 059</b>	<b>88,03</b>	<b>18 752</b>	<b>87,30</b>

Remark P6

## Total Number of Companies (including Non-Members)

	2007	2008
<b>Austria</b>	8	8
<b>Belgium</b>	9	9
<b>Croatia</b>	n.a.	n.a.
<b>Czech Republic</b>	7	7
<b>Denmark</b>	3	3
<b>Finland</b>	3	3
<b>France</b>	20	19
<b>Germany</b>	39	39
<b>Greece</b>	n.a.	n.a.
<b>Hungary</b>	6	6
<b>Ireland</b>	n.a.	n.a.
<b>Italy</b>	61	59
<b>Netherlands</b>	9	9
<b>Norway</b>	3	3
<b>Poland</b>	37	32
<b>Portugal</b>	n.a.	n.a.
<b>Romania</b>	10	12
<b>Slovakia</b>	3	n.a.
<b>Spain</b>	82	81
<b>Sweden</b>	4	4
<b>Switzerland</b>	6	6
<b>Turkey</b>	117	101
<b>Ukraine</b>	n.a.	n.a.
<b>United Kingdom</b>	25	25
<b>TOTAL EUROPE</b>	<b>452</b>	<b>426</b>

Remark P7

## Total Number of Plants (including Non-Members)

	2007	2008
<b>Austria</b>	11	11
<b>Belgium</b>	12	12
<b>Croatia</b>	n.a.	n.a.
<b>Czech Republic</b>	9	9
<b>Denmark</b>	9	7
<b>Finland</b>	5	5
<b>France</b>	76	75
<b>Germany</b>	112	112
<b>Greece</b>	n.a.	n.a.
<b>Hungary</b>	11	11
<b>Ireland</b>	n.a.	n.a.
<b>Italy</b>	88	88
<b>Netherlands</b>	15	15
<b>Norway</b>	3	3
<b>Poland</b>	42	43
<b>Portugal</b>	n.a.	n.a.
<b>Romania</b>	10	13
<b>Slovakia</b>	3	n.a.
<b>Spain</b>	97	96
<b>Sweden</b>	12	12
<b>Switzerland</b>	8	8
<b>Turkey</b>	132	116
<b>Ukraine</b>	n.a.	n.a.
<b>United Kingdom</b>	66	65
<b>TOTAL EUROPE</b>	<b>721</b>	<b>701</b>

Remark P8

## Total Number of Corrugators (including Non-Members)

	2008			Total
	<2m	>2 <2,5m	> 2,5m	
<b>Austria</b>	1	8	2	11
<b>Belgium</b>	n.a.	14	4	18
<b>Croatia</b>	n.a.	n.a.	n.a.	0
<b>Czech Republic</b>	1	8	1	10
<b>Denmark</b>	0	5	2	7
<b>Finland</b>	1	3	1	5
<b>France</b>	4	72	6	82
<b>Germany</b>	14	81	18	113
<b>Greece</b>	n.a.	n.a.	n.a.	0
<b>Hungary</b>	2	8	0	10
<b>Ireland</b>	n.a.	n.a.	n.a.	0
<b>Italy</b>	9	85	12	106
<b>Netherlands</b>	0	14	1	15
<b>Norway</b>	0	3	0	3
<b>Poland</b>	n.a.	15	28	43
<b>Portugal</b>	n.a.	n.a.	n.a.	0
<b>Romania</b>	2	11	0	13
<b>Slovakia</b>	n.a.	n.a.	n.a.	0
<b>Spain</b>	18	86	0	104
<b>Sweden</b>	0	11	1	12
<b>Switzerland</b>	4	6	0	10
<b>Turkey</b>	99	44	2	145
<b>Ukraine</b>	n.a.	n.a.	n.a.	0
<b>United Kingdom</b>	n.a.	43	18	61
<b>TOTAL EUROPE</b>	<b>155</b>	<b>517</b>	<b>96</b>	<b>768</b>

Remark P9

**Average Weight of Board in g/m<sup>2</sup>  
(including Non-Members)**

	<b>2007</b>	<b>2008</b>
<b>Austria</b>	490	488
<b>Belgium</b>	546	540
<b>Croatia</b>	486	<b>n.a.</b>
<b>Czech Republic</b>	493	496
<b>Denmark</b>	530	530
<b>Finland</b>	505	502
<b>France</b>	541	534
<b>Germany</b>	527	523
<b>Greece</b>	<b>n.a.</b>	<b>n.a.</b>
<b>Hungary</b>	512	519
<b>Ireland</b>	532	<b>n.a.</b>
<b>Italy</b>	589	581
<b>Netherlands</b>	574	568
<b>Norway</b>	500	491
<b>Poland</b>	506	507
<b>Portugal</b>	511	<b>n.a.</b>
<b>Romania</b>	472	469
<b>Slovakia</b>	506	<b>n.a.</b>
<b>Spain</b>	545	545
<b>Sweden</b>	501	492
<b>Switzerland</b>	526	513
<b>Turkey</b>	567	561
<b>Ukraine</b>	<b>n.a.</b>	<b>n.a.</b>
<b>United Kingdom</b>	477	472
<b>TOTAL EUROPE</b>	<b>536</b>	<b>531</b>

Remark P10

**Die Cut Boxes**  
**(as % of Total Shipments in m<sup>2</sup>)**  
**(including Non-Members & Sheetplants)**

	<b>2007</b>	<b>2008</b>
<b>Austria</b>	56,0	56,6
<b>Belgium</b>	37,0	39,3
<b>Croatia</b>	<b>n.a.</b>	<b>n.a.</b>
<b>Czech Republic</b>	46,7	44,9
<b>Denmark</b>	60,7	64,5
<b>Finland</b>	60,6	60,7
<b>France</b>	<b>n.a.</b>	<b>n.a.</b>
<b>Germany</b>	41,9	40,6
<b>Greece</b>	<b>n.a.</b>	<b>n.a.</b>
<b>Hungary</b>	44,5	42,4
<b>Ireland</b>	<b>n.a.</b>	<b>n.a.</b>
<b>Italy</b>	<b>n.a.</b>	<b>n.a.</b>
<b>Netherlands</b>	40,0	43,4
<b>Norway</b>	54,2	52,5
<b>Poland</b>	34,8	33,8
<b>Portugal</b>	<b>n.a.</b>	<b>n.a.</b>
<b>Romania</b>	20,2	24,7
<b>Slovakia</b>	32,0	<b>n.a.</b>
<b>Spain</b>	45,0	45,0
<b>Sweden</b>	<b>n.a.</b>	<b>n.a.</b>
<b>Switzerland</b>	56,0	57,1
<b>Turkey</b>	30,9	34,0
<b>Ukraine</b>	<b>n.a.</b>	<b>n.a.</b>
<b>United Kingdom</b>	27,6	27,3
<b>WEIGHTED AVERAGE EUROPE</b>	<b>39,8</b>	<b>39,8</b>

Remark P11

**Shipments in Sheets  
(as % of Total Shipments in m<sup>2</sup>)  
(including Non-Members)**

	<b>2007</b>	<b>2008</b>
<b>Austria</b>	12,4	12,3
<b>Belgium</b>	n.a.	5,2
<b>Croatia</b>	n.a.	n.a.
<b>Czech Republic</b>	19,8	21,0
<b>Denmark</b>	4,6	2,8
<b>Finland</b>	7,3	7,6
<b>France</b>	0,0	0,0
<b>Germany</b>	13,7	14,5
<b>Greece</b>	n.a.	n.a.
<b>Hungary</b>	14,7	19,9
<b>Ireland</b>	n.a.	n.a.
<b>Italy</b>	45,0	n.a.
<b>Netherlands</b>	9,0	8,6
<b>Norway</b>	5,2	5,2
<b>Poland</b>	33,0	31,2
<b>Portugal</b>	n.a.	n.a.
<b>Romania</b>	40,1	41,6
<b>Slovakia</b>	26,0	n.a.
<b>Spain</b>	18,3	18,2
<b>Sweden</b>	7,0	7,0
<b>Switzerland</b>	56,0	n.a.
<b>Turkey</b>	100,0	100,0
<b>Ukraine</b>	n.a.	n.a.
<b>United Kingdom</b>	28,4	28,5
<b>WEIGHTED AVERAGE EUROPE</b>	<b>21,5</b>	<b>22,0</b>

Remark P12

## Total Consumption of Raw Materials in 000's Tonnes (including Non-Members)

	2007	2008	% Change 2007/2008
<b>Austria</b>	512,0	519,0	0,01
<b>Belgium</b>	544,0	489,1	-0,10
<b>Croatia</b>	137,7	n.a.	n.a.
<b>Czech Republic</b>	503,2	476,8	-0,05
<b>Denmark</b>	284,0	254,0	-0,11
<b>Finland</b>	175,0	174,0	-0,01
<b>France</b>	3 375,0	3 212,0	-0,05
<b>Germany</b>	4 765,0	4 740,0	-0,01
<b>Greece</b>	n.a.	n.a.	n.a.
<b>Hungary</b>	268,3	266,0	-0,01
<b>Ireland</b>	178,0	n.a.	n.a.
<b>Italy</b>	3 952,0	3 816,0	-0,03
<b>Netherlands</b>	734,2	727,3	-0,01
<b>Norway</b>	110,9	106,0	-0,04
<b>Poland</b>	1 310,0	1 424,4	0,09
<b>Portugal</b>	252,4	n.a.	n.a.
<b>Romania</b>	218,5	209,6	-0,04
<b>Slovakia</b>	100,5	n.a.	n.a.
<b>Spain</b>	2 804,0	2 668,8	-0,05
<b>Sweden</b>	394,0	383,0	-0,03
<b>Switzerland</b>	280,0	278,0	-0,01
<b>Turkey</b>	1 524,2	1 562,7	0,03
<b>Ukraine</b>	n.a.	n.a.	n.a.
<b>United Kingdom</b>	2 340,3	2 181,2	-0,07
<b>TOTAL EUROPE</b>	<b>24 763,2</b>	<b>23 487,8</b>	<b>-2,50</b>

<b>Recyclable Waste % / Raw materials</b>	<b>8,00</b>	<b>8,50</b>
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Remark P13

**Consumption of Kraftliner  
(as % of the Total Consumption of Raw Materials)  
(including white and coloured kraft)**

	<b>2007</b>	<b>2008</b>
<b>Austria</b>	6,3	6,1
<b>Belgium</b>	6,1	5,9
<b>Croatia</b>	n.a.	n.a.
<b>Czech Republic</b>	4,8	3,7
<b>Denmark</b>	37,3	11,8
<b>Finland</b>	12,5	12,7
<b>France</b>	3,6	3,8
<b>Germany</b>	5,7	5,7
<b>Greece</b>	n.a.	n.a.
<b>Hungary</b>	2,9	4,3
<b>Ireland</b>	n.a.	n.a.
<b>Italy</b>	4,2	4,4
<b>Netherlands</b>	7,0	7,4
<b>Norway</b>	10,6	11,8
<b>Poland</b>	0,5	0,9
<b>Portugal</b>	n.a.	n.a.
<b>Romania</b>	1,5	1,0
<b>Slovakia</b>	13,0	n.a.
<b>Spain</b>	4,4	5,1
<b>Sweden</b>	14,5	14,5
<b>Switzerland</b>	7,2	6,4
<b>Turkey</b>	26,1	26,3
<b>Ukraine</b>	n.a.	n.a.
<b>United Kingdom</b>	8,0	8,4
<b>WEIGHTED AVERAGE EUROPE</b>	<b>6,8</b>	<b>6,7</b>

Remark P14

**Consumption of Brown Kraftliner  
(as % of the Total Consumption of Raw Materials)**

	<b>2007</b>	<b>2008</b>
<b>Austria</b>	13,5	14,0
<b>Belgium</b>	11,9	10,5
<b>Croatia</b>	<b>n.a.</b>	<b>n.a.</b>
<b>Czech Republic</b>	9,7	8,4
<b>Denmark</b>	24,4	23,5
<b>Finland</b>	12,9	15,2
<b>France</b>	8,9	8,7
<b>Germany</b>	14,3	14,6
<b>Greece</b>	<b>n.a.</b>	<b>n.a.</b>
<b>Hungary</b>	15,5	16,4
<b>Ireland</b>	<b>n.a.</b>	<b>n.a.</b>
<b>Italy</b>	18,6	17,4
<b>Netherlands</b>	14,0	15,6
<b>Norway</b>	14,7	16,6
<b>Poland</b>	6,5	6,9
<b>Portugal</b>	<b>n.a.</b>	<b>n.a.</b>
<b>Romania</b>	10,3	7,5
<b>Slovakia</b>	12,8	<b>n.a.</b>
<b>Spain</b>	14,8	15,0
<b>Sweden</b>	14,5	14,5
<b>Switzerland</b>	16,8	18,0
<b>Turkey</b>	25,3	25,8
<b>Ukraine</b>	<b>n.a.</b>	<b>n.a.</b>
<b>United Kingdom</b>	13,5	14,7
<b>WEIGHTED AVERAGE EUROPE</b>	<b>14,4</b>	<b>14,5</b>

Remark P15

**Consumption of Testliner  
(as % of the Total Consumption of Raw Materials)**

	<b>2007</b>	<b>2008</b>
<b>Austria</b>	36,0	34,8
<b>Belgium</b>	38,5	38,7
<b>Croatia</b>	<b>n.a.</b>	<b>n.a.</b>
<b>Czech Republic</b>	41,6	40,5
<b>Denmark</b>	20,2	29,5
<b>Finland</b>	34,4	32,0
<b>France</b>	32,6	34,3
<b>Germany</b>	38,0	37,6
<b>Greece</b>	<b>n.a.</b>	<b>n.a.</b>
<b>Hungary</b>	34,9	35,0
<b>Ireland</b>	<b>n.a.</b>	<b>n.a.</b>
<b>Italy</b>	21,7	21,4
<b>Netherlands</b>	38,0	36,3
<b>Norway</b>	37,3	34,3
<b>Poland</b>	49,0	49,8
<b>Portugal</b>	<b>n.a.</b>	<b>n.a.</b>
<b>Romania</b>	29,6	31,8
<b>Slovakia</b>	38,4	<b>n.a.</b>
<b>Spain</b>	12,4	12,8
<b>Sweden</b>	19,5	18,5
<b>Switzerland</b>	32,7	32,9
<b>Turkey</b>	22,4	20,1
<b>Ukraine</b>	<b>n.a.</b>	<b>n.a.</b>
<b>United Kingdom</b>	41,3	41,4
<b>WEIGHTED AVERAGE EUROPE</b>	<b>30,8</b>	<b>31,0</b>

Remark P16

## Consumption of Other Recycled Liner (as % of the Total Consumption of Raw Materials)

	2007	2008
Austria	7,0	7,3
Belgium	1,5	1,4
Croatia	n.a.	n.a.
Czech Republic	6,5	11,5
Denmark	6,4	0,6
Finland	2,9	2,8
France	16,9	17,2
Germany	3,2	3,1
Greece	n.a.	n.a.
Hungary	8,3	6,3
Ireland	n.a.	n.a.
Italy	6,6	7,3
Netherlands	0,0	0,8
Norway	1,4	2,0
Poland	5,0	2,4
Portugal	n.a.	n.a.
Romania	17,9	19,3
Slovakia	15,0	n.a.
Spain	25,4	25,7
Sweden	19,5	18,5
Switzerland	10,5	6,9
Turkey	40,8	41,4
Ukraine	n.a.	n.a.
United Kingdom	n.a.	n.a.
<b>WEIGHTED AVERAGE EUROPE</b>	<b>12,2</b>	<b>12,2</b>

Remark P17

## Consumption of Semi-Chemical Fluting (as % of the Total Consumption of Raw Materials)

	2007	2008
Austria	9,0	9,9
Belgium	2,3	1,8
Croatia	n.a.	n.a.
Czech Republic	5,5	3,9
Denmark	5,7	6,6
Finland	29,1	28,4
France	2,8	2,5
Germany	2,3	2,3
Greece	n.a.	n.a.
Hungary	4,3	4,5
Ireland	n.a.	n.a.
Italy	13,4	13,7
Netherlands	2,0	1,4
Norway	18,9	19,0
Poland	3,0	3,3
Portugal	n.a.	n.a.
Romania	10,6	10,3
Slovakia	12,4	n.a.
Spain	26,0	26,3
Sweden	19,0	20,0
Switzerland	1,5	4,0
Turkey	9,2	8,3
Ukraine	n.a.	n.a.
United Kingdom	3,2	2,4
<b>WEIGHTED AVERAGE EUROPE</b>	<b>8,4</b>	<b>8,3</b>

Remark P18

## Consumption of Recycled Fluting (as % of the Total Consumption of Raw Materials)

	2007	2008
Austria	28,2	27,9
Belgium	39,7	41,8
Croatia	n.a.	n.a.
Czech Republic	31,9	32,0
Denmark	30,3	28,2
Finland	8,2	8,9
France	35,3	33,6
Germany	36,5	36,7
Greece	n.a.	n.a.
Hungary	34,1	33,5
Ireland	n.a.	n.a.
Italy	35,5	35,8
Netherlands	39,0	38,5
Norway	17,1	16,3
Poland	36,0	36,8
Portugal	n.a.	n.a.
Romania	30,2	30,1
Slovakia	21,2	n.a.
Spain	17,0	15,3
Sweden	13,0	14,0
Switzerland	31,3	31,8
Turkey	1,5	3,9
Ukraine	n.a.	n.a.
United Kingdom	34,0	33,1
<b>WEIGHTED AVERAGE EUROPE</b>	<b>30,4</b>	<b>30,1</b>

Remark P19

## Total Number of Personnel

	2007		2008	
	Production Employees	Total Employees	Production Employees	Total Employees
<b>Austria</b>	1 469	1 950	1 464	1 946
<b>Belgium</b>	1 836	2 354	1 810	2 351
<b>Croatia</b>	929	1 500	<b>n.a.</b>	<b>n.a.</b>
<b>Czech Republic</b>	1 560	2 562	1 383	1 859
<b>Denmark</b>	1 228	1 736	1 174	1 569
<b>Finland</b>	888	1 135	798	1 025
<b>France</b>	8 050	11 610	7 750	10 950
<b>Germany</b>	12 952	17 865	12 978	18 000
<b>Greece</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>
<b>Hungary</b>	1 047	1 383	1 056	1 360
<b>Ireland</b>	800	1 150	<b>n.a.</b>	<b>n.a.</b>
<b>Italy</b>	6 265	13 495	6 265	13 495
<b>Netherlands</b>	1 452	2 176	1 443	2 181
<b>Norway</b>	446	687	444	617
<b>Poland</b>	2 292	3 484	3 482	5 406
<b>Portugal</b>	937	1 204	<b>n.a.</b>	<b>n.a.</b>
<b>Romania</b>	1 147	1 519	1 131	1 515
<b>Slovakia</b>	419	501	<b>n.a.</b>	<b>n.a.</b>
<b>Spain</b>	8 346	10 771	8 152	10 488
<b>Sweden</b>	1 416	1 975	1 374	1 937
<b>Switzerland</b>	950	1 357	945	1 362
<b>Turkey</b>	5 787	7 993	4 786	6 668
<b>Ukraine</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>
<b>United Kingdom</b>	5 500	8 500	5 500	8 500
<b>TOTAL EUROPE</b>	<b>65 716</b>	<b>96 907</b>	<b>61 935</b>	<b>91 229</b>

Remark P20

## Production per Head in 1000 m<sup>2</sup>

	<b>2007</b>	<b>2008</b>
<b>Austria</b>	633	632
<b>Belgium</b>	582	556
<b>Croatia</b>	274	<b>n.a.</b>
<b>Czech Republic</b>	592	615
<b>Denmark</b>	392	375
<b>Finland</b>	366	397
<b>France</b>	688	684
<b>Germany</b>	664	658
<b>Greece</b>	<b>n.a.</b>	<b>n.a.</b>
<b>Hungary</b>	450	456
<b>Ireland</b>	366	<b>n.a.</b>
<b>Italy</b>	1 039	1 018
<b>Netherlands</b>	804	805
<b>Norway</b>	457	447
<b>Poland</b>	1 084	712
<b>Portugal</b>	489	<b>n.a.</b>
<b>Romania</b>	378	372
<b>Slovakia</b>	420	<b>n.a.</b>
<b>Spain</b>	556	542
<b>Sweden</b>	487	487
<b>Switzerland</b>	522	504
<b>Turkey</b>	417	517
<b>Ukraine</b>	<b>n.a.</b>	<b>n.a.</b>
<b>United Kingdom</b>	734	706
<b>TOTAL EUROPE</b>	<b>648</b>	<b>653</b>

Remark P21

## Nominal Working Time per Person (in hours per year)

	2007	2008
<b>Austria</b>	1 687	1 703
<b>Belgium</b>	1 585	1 239
<b>Croatia</b>	n.a.	n.a.
<b>Czech Republic</b>	1 799	1 863
<b>Denmark</b>	1 613	1 228
<b>Finland</b>	1 686	1 709
<b>France</b>	1 820	1 820
<b>Germany</b>	1 850	1 850
<b>Greece</b>	n.a.	n.a.
<b>Hungary</b>	1 766	1 793
<b>Ireland</b>	n.a.	n.a.
<b>Italy</b>	1 888	1 888
<b>Netherlands</b>	n.a.	n.a.
<b>Norway</b>	1 725	1 725
<b>Poland</b>	2 016	2 018
<b>Portugal</b>	n.a.	n.a.
<b>Romania</b>	1 896	1 647
<b>Slovakia</b>	1 812	n.a.
<b>Spain</b>	1 776	1 776
<b>Sweden</b>	1 521	1 494
<b>Switzerland</b>	2 021	2 026
<b>Turkey</b>	n.a.	n.a.
<b>Ukraine</b>	n.a.	n.a.
<b>United Kingdom</b>	1 710	1 710
<b>TOTAL EUROPE</b>	<b>1 775</b>	<b>1 718</b>

Remark P22

Classification of shipment by end-use sector, as a percentage of turnover 2008

	Austria	Belgium	Croatia	Czech Republic	Denmark	Finland	France	Germany	Greece	Hungary	Ireland	Italy	Netherlands	Norway	Poland	Portugal	Romania	Slovakia	Spain	Sweden	Switzerland	Turkey	Ukraine	United Kingdom	Average
1	23,5	42,8		28,9	31,0	23,2	27,0	26,2		17,5		20,0	31,1	30,0	22,2		26,4		16,5	25,2	39,7	27,0		23,1	26,7
2	6,0	6,2		1,1	14,9	6,5	14,0	3,2		5,5		7,0	17,1	18,4	3,6		1,2		23,0	2,4	3,0	6,0		10,9	8,3
3	7,0	4,8		4,7	3,3	7,0	8,0	5,8		2,3		9,3	6,3	5,1	6,7		6,2		15,0	5,1	5,6	3,7		8,3	6,3
4	0,6	0,1		0,5	0,0	0,0	2,3	0,7		0,1		1,1	1,8	0,1	1,2		1,6		1,6		1,8	2,1		0,7	1,0
5	1,0	3,0		0,6	1,0	1,1	1,7	1,3		0,4		1,4	1,2	0,7	0,8		2,0		1,0	0,6	1,6	5,9		2,4	1,5
6	3,4	2,6		4,4	10,0	3,4	0,9	2,1		4,4		0,8	0,3	5,3	7,3		6,8		1,0	5,4	1,3	2,1		3,1	3,6
7	6,2	6,9		3,0	3,7	15,8	3,1	4,9		3,3		2,6	8,8	9,3	3,2		1,1		2,5	16,7	6,1	4,3		5,2	5,9
8	3,6	6,2		2,3	6,4	2,1	6,8	5,8		2,1		2,9	3,9	4,3	3,0		2,1		2,0	4,7	7,4	2,2		5,4	4,1
9	2,1	3,4		4,8	2,2	1,9	4,7	4,2		5,1		3,3	0,8	0,8	3,6		1,9		3,0		2,3	6,7		3,8	3,2
10	3,8	0,1		2,3	1,5	3,5	3,5	4,1		0,5		1,5	4,6	0,0	0,3		0,4		1,0		0,9	1,2		0,5	1,7
11	2,9	1,4		9,4	1,3	2,8	1,6	1,4		1,2		3,1	1,1	0,4	3,0		1,6		3,0	1,8	0,5	8,6		4,0	2,7
12	6,6	1,4		1,6	3,2	3,8	0,3	3,7		0,9		0,3	1,5	1,6	1,3		0,1		0,5	7,0	1,4			2,6	2,2
13	1,4	1,8		2,0	1,4	1,6	0,8	1,2		4,0		0,1	0,5	1,1	0,1		6,7		1,4		2,2	6,5		3,1	2,1
14	2,9	0,5		4,1	0,2	2,2	2,1	3,3		3,9		0,1	0,7	2,6	4,1		2,8		1,9	1,9	2,0	1,3		5,8	2,4
15	0,4	0,3		9,4	1,2	9,0	0,6	0,7		13,7		0,4	0,3	0,4	4,1		0,7		3,0		0,1	0,6		1,5	2,7
16	0,0	0,5		2,1	1,1	0,3	0,7	1,3		7,4		0,6	0,4	0,3	0,7		2,3		1,5		0,5	1,3		1,5	1,3
17	0,2	1,2		1,7	0,0	0,1	1,1	2,4		0,0		1,0	0,8	4,2	0,7		1,3		1,5		0,7	0,0		2,5	1,1
18	0,1	0,3		0,0	0,0	0,3	1,5	0,6		0,0		0,3	0,7	0,0	0,0		0,1		0,9		0,5	0,0		0,0	0,3
19	2,3	0,0		1,9	5,1	2,3	0,2	0,0		7,9		0,3	1,9	2,5	3,9		3,9		1,3		5,6	3,1		8,8	3,0
20	0,6	1,7		2,5	1,6	0,3	1,1	0,7		0,1		0,8	0,1	0,0	0,1		1,5		2,0		1,3	0,4		0,8	0,9
21	2,2	2,1		2,5	0,5	2,8	2,3	2,7		0,0		0,3	2,0	0,0	1,9		0,3		2,5		0,8			1,8	1,5
22	12,3	5,2		6,6	7,2	6,9	14,2	18,6		14,1		42,7	8,6	1,3	18,3		23,6		12,8	21,5	9,7	6,8		0,0	12,8
23	10,9	7,4		3,6	3,1	3,1	1,5	5,1		5,6		0,1	5,5	11,7	10,1		5,6		1,1	7,7	5,0	10,2		4,2	5,6
	100,0	100,0	n.a.	100,0	100,0	100,0	100,0	100,0	n.a.	100,0	n.a.	100,0	100,0	100,0	100,0	n.a.	100,0	n.a.	100,0	100,0	100,0	100,0	n.a.	100,0	n.a.

Categories for classification:

- |  |   |
|--|---|
| 1 Foodstuffs                                     | 13 Machines and parts   |
| 2 Agricultural Produce and Fresh Food            | 14 Electrical equipment and accessories (except domestic appliance) |
| 3 Beverages                                      | 15 Audio, video and communication equipments                        |
| 4 Tobacco Products                               | 16 Electric appliances  |
| 5 Textiles, clothing, leather goods              | 17 Means of transport   |
| 6 Wooden goods and furniture                     | 18 Precision instruments, optical equipment and watches             |
| 7 Paper goods and printed matter                 | 19 Other industrial product   |
| 8 Chemicals and related products                 | 20 Sportswear and accessories, toys                                 |
| 9 Detergents, soaps, perfumes, cosmetics, etc.   | 21 Direct mail companies, dispatching houses                        |
| 10 Rubber goods                                  | 22 Corrugated Board converters (sheet plans)                        |
| 11 Glassware, ceramicware and other non minerals | 23 All other not classified above                                   |
| 12 Metalware                                     |   |

## Fluting Types in % of Total Shipments 2008

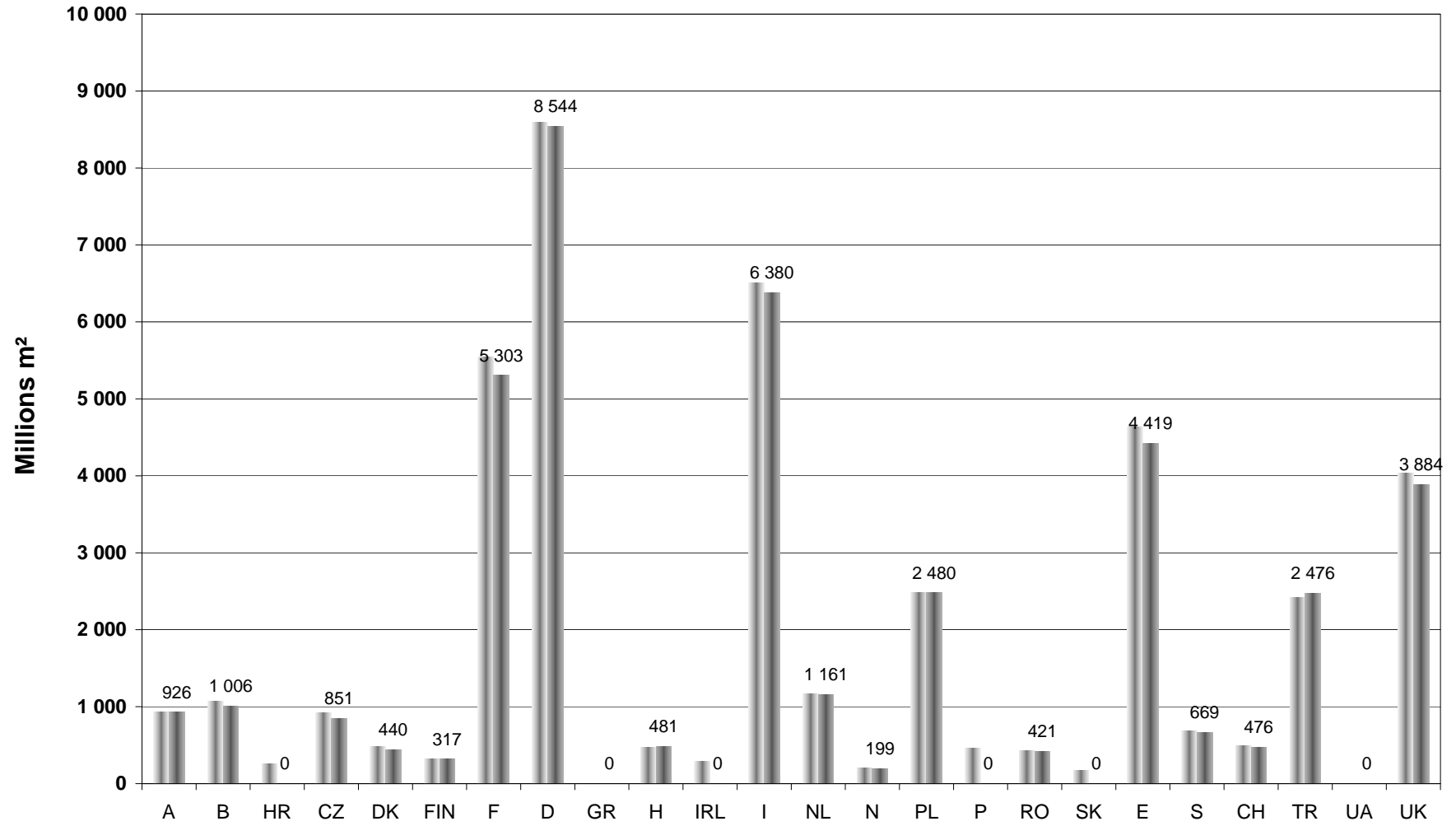
	<b>B-flute</b>	<b>C-flute</b>	<b>BC-flute</b>	<b>E-flute</b>	<b>Micro-FI</b>	<b>Others</b>	<b>Total</b>
<b>Austria</b>	38,80	15,60	14,80	20,70	0,30	9,80	100,00
<b>Belgium</b>	49,16	23,52	15,28	6,18	1,87	3,99	100,00
<b>Croatia</b>	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
<b>Czech Republic</b>	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
<b>Denmark</b>	53,64	22,72	8,04	10,87	0	4,73	100,00
<b>Finland</b>	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
<b>France</b>	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
<b>Germany</b>	40,50	15,20	19,10	11,80	0,90	12,50	100,00
<b>Greece</b>	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
<b>Hungary</b>	44,30	25,20	17,40	10,20	0,10	2,80	100,00
<b>Ireland</b>	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
<b>Italy</b>	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
<b>Netherlands</b>	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
<b>Norway</b>	43,80	33,50	5,50	16,20	0,70	0,30	100,00
<b>Poland</b>	55,34	18,96	11,21	10,75	0,23	3,51	100,00
<b>Portugal</b>	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
<b>Romania</b>	24,14	33,18	18,85	8,46	2,24	13,13	100,00
<b>Slovakia</b>	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
<b>Spain</b>	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
<b>Sweden</b>	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
<b>Switzerland</b>	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
<b>Turkey</b>	25,59	22,27	43,51	6,02	n.a.	2,61	100,00
<b>Ukraine</b>	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
<b>United Kingdom</b>	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

**% of the Products by Number of Printing Colours**

	Printing Colours										% Changes 2007 / 2008				
	2007					2008					0	1	2	3	> 3
	0	1	2	3	> 3	0	1	2	3	> 3					
Austria	n.a.	n.a.	n.a.	n.a.	n.a.	37,6	32,4	11,7	8,9	9,4	n.a.	n.a.	n.a.	n.a.	n.a.
Belgium	n.a.	n.a.	n.a.	n.a.	n.a.	22,0	n.a.	n.a.	n.a.	3,0	n.a.	n.a.	n.a.	n.a.	n.a.
Croatia	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Czech Republic	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Denmark	n.a.	n.a.	n.a.	n.a.	n.a.	20,5	33,4	27,8	10,1	8,2	n.a.	n.a.	n.a.	n.a.	n.a.
Finland	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
France	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Germany	32,2	40,9	13,8	6,2	6,9	31,8	41,2	12,9	7,1	7,0	-1,2	0,7	-6,5	14,5	1,4
Greece	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Hungary	n.a.	n.a.	n.a.	n.a.	n.a.	47,2	24,4	16,8	4,3	7,3	n.a.	n.a.	n.a.	n.a.	n.a.
Ireland	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Italy	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Netherlands	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Norway	n.a.	n.a.	n.a.	n.a.	n.a.	29,6	33,4	17,5	11,4	8,1	n.a.	n.a.	n.a.	n.a.	n.a.
Poland	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Portugal	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Romania	n.a.	n.a.	n.a.	n.a.	n.a.	39,4	16,6	26,3	15,2	2,5	n.a.	n.a.	n.a.	n.a.	n.a.
Slovakia	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Spain	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Sweden	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Switzerland	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Turkey	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Ukraine	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
United Kingdom	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

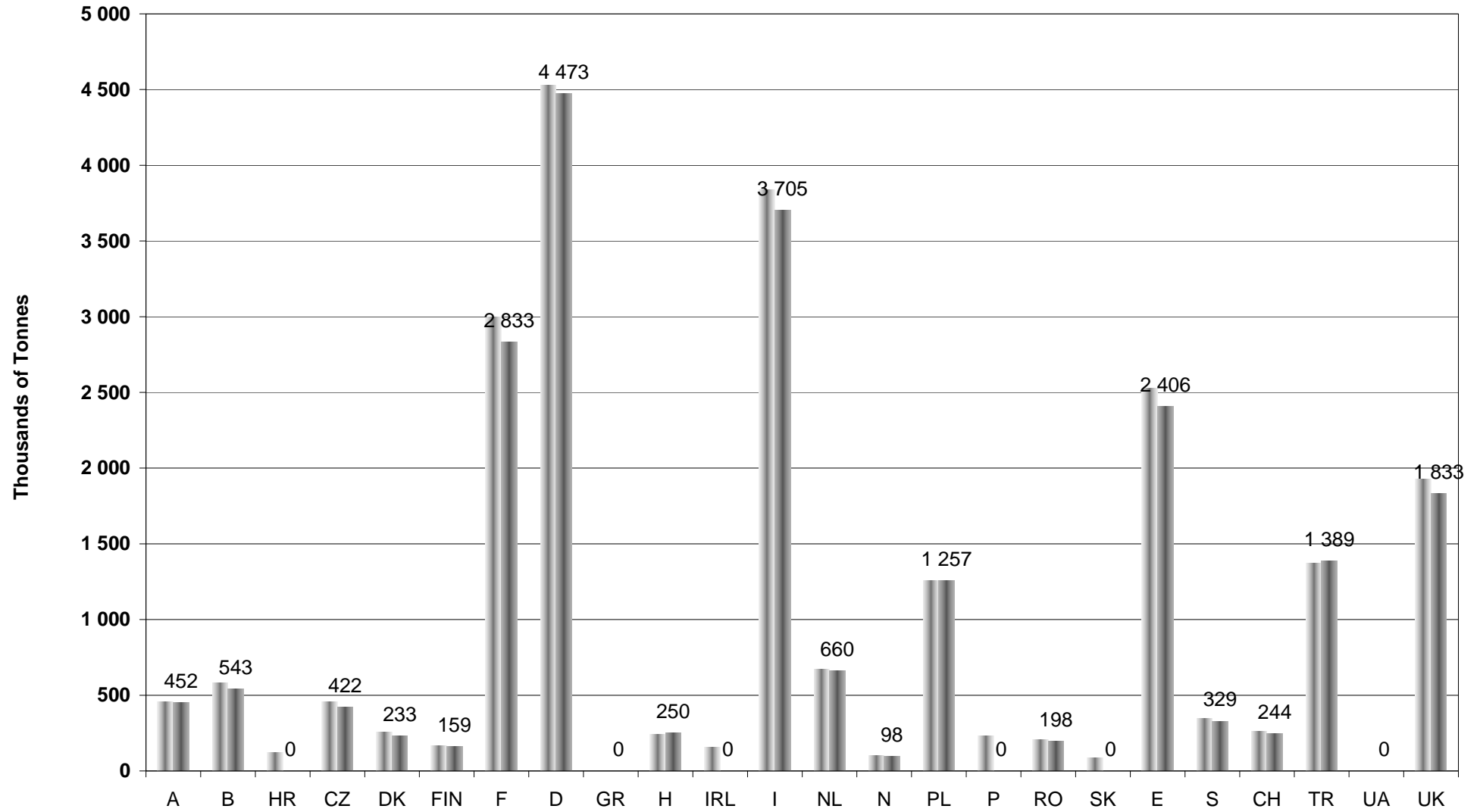
# Shipments in Millions m<sup>2</sup>

■ 2007 ■ 2008



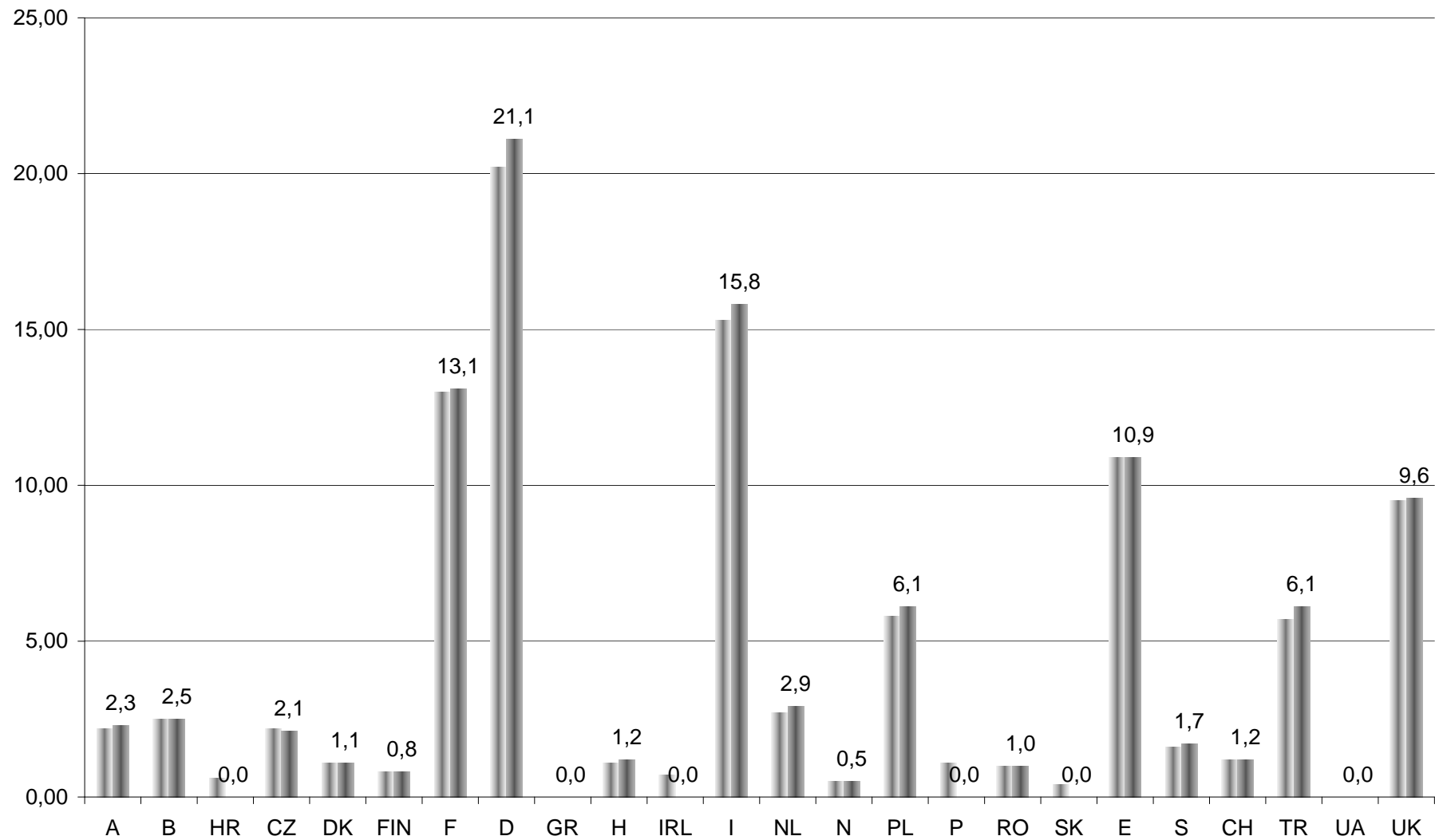
# Shipments in '000 Tonnes

■ 2007 ■ 2008



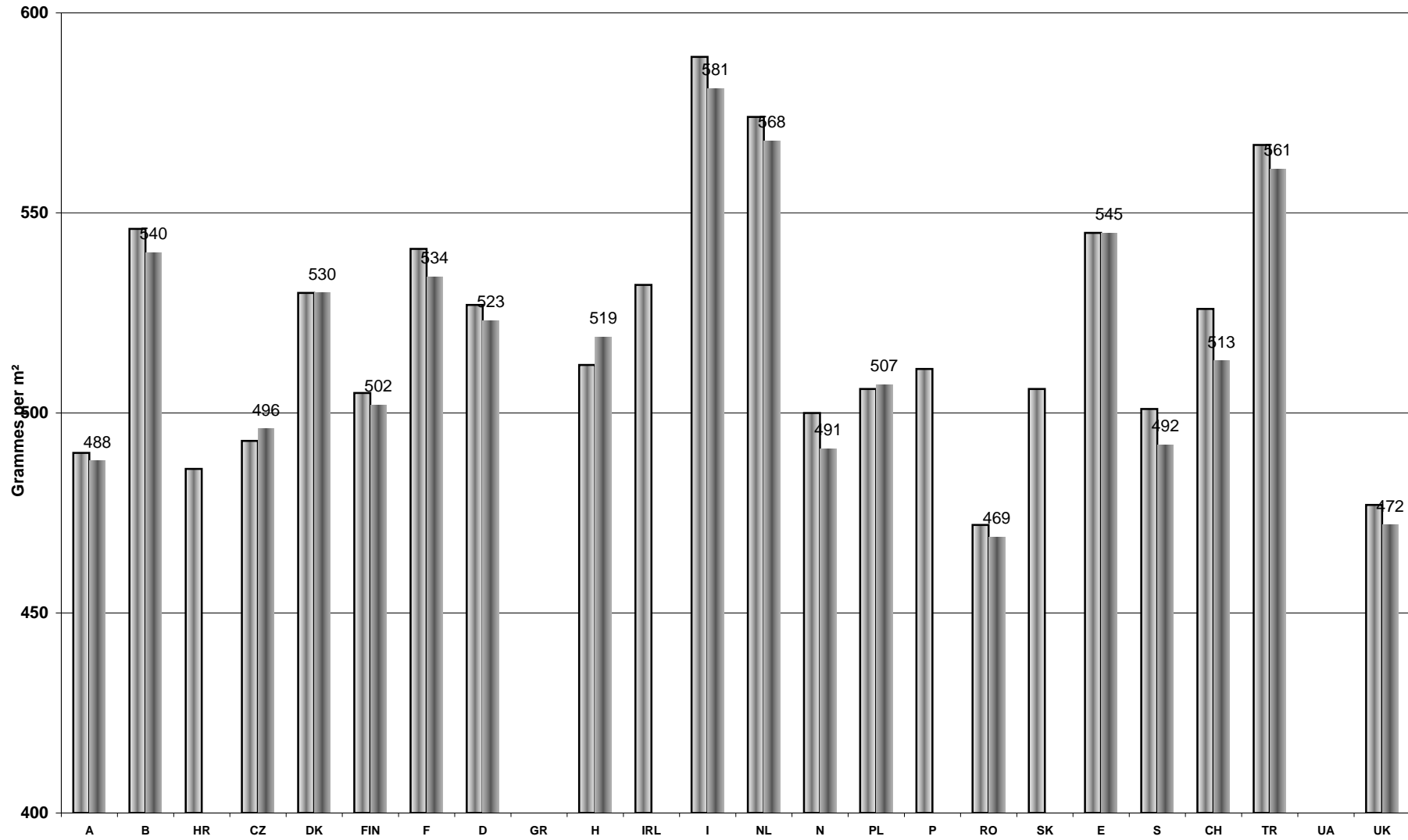
Relative Share of Total Shipments by Country (based on m<sup>2</sup>)

■ 2007 ■ 2008



### Average Weight of Corrugated Board by Country

2007 2008



### Fluting Type

