

							40 €/t		> 5 %		> 10 %	> 20 %
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Iron and steel	a	Integrated steelworks (flat semi-finished)	27103110	2,1	91	357	85,0	25,5	23,8	23,8	92,3	116,1
Iron and steel	b	Integrated steelworks (hot rolled)	27106020	2,1	91	422	85,0	21,6	20,1	13,3	24,2	37,5
Iron and steel	c	Integrated steelworks (ingots)	27103320	2,1	91	678	85,0	13,4	12,5	4,3	4,0	8,3
Iron and steel	a	Electric Arc Furnace (flat semi-finished)	27103110	0,4	30	357	16,3	8,4	4,6	23,8	92,3	116,1
Iron and steel	b	Electric Arc Furnace (hot rolled)	27106020	0,4	30	422	16,3	7,1	3,9	13,3	24,2	37,5
Iron and steel	c	Electric Arc Furnace (ingots)	27103320	0,4	30	678	16,3	4,4	2,4	4,3	4,0	8,3
Aluminium	a	Primary aluminium (energy mix)	27421153	7,8	1.063	1.956	312,4	54,3	16,0	2,7	71,3	74,0
Aluminium	b	Primary aluminium (electricity mix)	27421153	10,0	1.063	1.956	400,9	54,3	20,5	2,7	71,3	74,0
Aluminium	c	Primary aluminium (electricity from coal)	27421153	18,4	1.063	1.956	737,6	54,3	37,7	2,7	71,3	74,0
Aluminium		Secondary aluminium	27421155	0,5	77	1.675	20,7	4,6	1,2	3,4	7,6	11,0
Copper		Copper concentrate without mining and concentrating process	27441330	0,6	60	4.983	25,8	1,2	0,5	7,3	120,1	127,4
Copper		Copper mining and refining	27441330	3,9	484	4.983	156,7	9,7	3,1	7,3	120,1	127,4
Cement	a	Clinker 'dry process...multi-stage cyclone'	26511100	0,9	12	48	34,3	25,0	71,1	11,4	88,8	100,1
Cement	b	Clinker 'dry process...rotary kilns'	26511100	0,9	14	48	36,7	28,0	76,0	11,4	88,8	100,1
Cement	c	Clinker 'Lepol-kiln'	26511100	0,9	14	48	37,6	29,2	77,9	11,4	88,8	100,1
Cement	d	Clinker '... long kilns'	26511100	1,0	17	48	41,7	34,5	86,3	11,4	88,8	100,1
Cement	a	White Portland 'dry process...multi-stage cyclone'	26511210	0,8	14	126	33,5	11,1	26,5	8,4	4,4	12,8
Cement	b	White Portland 'dry process...rotary kilns'	26511210	0,9	15	126	35,7	12,2	28,3	8,4	4,4	12,8
Cement	c	White Portland 'Lepol-kiln'	26511210	0,9	16	126	36,6	12,7	29,0	8,4	4,4	12,8
Cement	d	White Portland '... long kilns'	26511210	1,0	18	126	40,4	14,6	32,0	8,4	4,4	12,8
Cement	a	Grey Portland 'dry process...multi-stage cyclone'	26511230	0,6	11	70	24,9	15,6	35,3	1,5	1,3	2,8
Cement	b	Grey Portland 'dry process...rotary kilns'	26511230	0,7	12	70	26,5	17,1	37,7	1,5	1,3	2,8
Cement	c	Grey Portland 'Lepol-kiln'	26511230	0,7	12	70	27,2	17,7	38,6	1,5	1,3	2,8
Cement	d	Grey Portland '... long kilns'	26511230	0,8	14	70	30,0	20,2	42,6	1,5	1,3	2,8
Lime	a	QuickLime in Shaft Kilns	26521033	1,1	24	68	43,0	35,6	63,6	1,8	0,6	2,4
Lime	b	QuickLime in Rotary Kilns	26521033	1,2	31	68	46,8	45,5	69,2	1,8	0,6	2,4
Lime	a	SlakedLime in Shaft Kilns	26521035	1,1	24	72	43,0	33,2	59,3	3,5	0,6	4,2
Lime	b	SlakedLime in Rotary Kilns	26521035	1,2	31	72	46,8	42,5	64,6	3,5	0,6	4,2
Glass	a	Container glass	26131110	0,6	67	350	23,9	19,1	6,8	6,2	3,5	9,7
Glass	b	Bottles of coloured glass	26131134	0,6	67	182	23,9	36,6	13,1	5,3	0,9	6,2
Glass		Float glass	HS6-700510	0,7	72	974	29,8	7,4	3,1	-	-	-
Glass		Mineral wool	26141230	1,3	144	2.576	51,7	5,6	2,0	10,6	6,8	17,4

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Ceramics		Bricks and roof tiles	HS6-690410	0,2	20	146	6,9	13,7	4,8	-	-	-
Ceramics		Wall and floor tiles	HS6-690790	0,4	46	1.055	16,6	4,4	1,6	-	-	-
Ceramics	a	Refractory products	26261300	0,4	48	424	16,9	11,4	4,0	30,2	3,2	33,4
Ceramics	b	Refractory products	26261237	0,4	48	1.325	16,9	3,7	1,3	38,1	5,0	43,2
Ceramics		Sanitary ware	HS6-691010	1,6	181	2.324	65,0	7,8	2,8	-	-	-
Ceramics		Vitrified clay pipes	HS6-690600	0,4	48	394	17,4	12,3	4,4	-	-	-
Ceramics	a	Household ceramics	26211210	3,4	373	1.366	134,1	27,3	9,8	20,7	34,7	55,4
Ceramics	b	Household ceramics	26211130	3,4	373	4.407	134,1	8,5	3,0	34,0	43,3	77,2
Ceramics		Technical ceramics	26231039	3,8	420	5.512	150,1	7,6	2,7	46,3	17,4	63,7
Paper & pulp		Sulphate (kraft) - pulp	21111215	0,7	86	459	27,6	18,8	6,0	17,8	49,4	67,2
Paper & pulp		Sulphate (kraft) - paper UFP	21121435	0,9	120	713	37,3	16,8	5,2	15,4	1,7	17,1
Paper & pulp		Sulphite - pulp	21111215	0,8	94	459	30,7	20,5	6,7	17,8	49,4	67,2
Paper & pulp		Sulphite - paper	21121435	1,1	138	713	43,4	19,4	6,1	15,4	1,7	17,1
Paper & pulp	a	Ground-wood - pulp for NewsPrint	21111215	0,5	81	459	20,1	17,6	4,4	17,8	49,4	67,2
Paper & pulp	b	TMP - pulp for NewsPrint	21111215	0,8	122	459	30,2	26,5	6,6	17,8	49,4	67,2
Paper & pulp		TMP - paper for NewsPrint	21121150	1,1	172	503	45,0	34,2	8,9	12,0	15,1	27,1
Paper & pulp		CTMP - pulp	21111215	0,7	102	459	26,6	22,3	5,8	17,8	49,4	67,2
Paper & pulp		RCF - paper for NewsPrint	21122520	0,5	57	337	18,2	16,9	5,4	6,4	1,6	8,0
Basic inorganic chemicals	a	Ammonia (steam reforming, natural gas)	24151075	1,7	174	290	67,6	60,0	23,3	4,5	53,3	57,8
<i>Basic inorganic chemicals</i>	<i>b</i>	<i>Ammonia (partial oxid., heavy hydrocarbons)</i>	24151075	2,8	418	290	112,5	144,0	38,8	4,5	53,3	57,8
Basic inorganic chemicals	c	Ammonia (partial oxid., coal)	24151075	3,0	83	290	120,0	28,6	41,4	4,5	53,3	57,8
Basic inorganic chemicals	d	Ammonia (urea, steam reforming, natural gas)	24151075	0,4	174	290	15,6	60,0	5,4	4,5	53,3	57,8
<i>Basic inorganic chemicals</i>	<i>e</i>	<i>Ammonia (urea, partial oxid., heavy hydrocarbons)</i>	24151075	1,5	418	290	60,5	144,0	20,9	4,5	53,3	57,8
Basic inorganic chemicals	a	Nitric acid (natural gas, N2O released)	24151050	2,5	50	351	99,3	14,2	28,3	4,4	1,7	6,0
Basic inorganic chemicals	b	Nitric acid (heavy hydrocarbons, N2O released)	24151050	2,8	119	351	112,2	34,0	32,0	4,4	1,7	6,0
Basic inorganic chemicals	c	Nitric acid (natural gas, without N2O)	24151050	0,5	50	351	19,3	14,2	5,5	4,4	1,7	6,0
Basic inorganic chemicals	d	Nitric acid (heavy hydrocarbons, without N2O)	24151050	0,8	119	351	32,2	34,0	9,2	4,4	1,7	6,0
Basic inorganic chemicals	a	Sulphuric acid (elemental sulphur)	24131433	0,0	3	38	1,0	7,6	2,6	9,8	2,7	12,5
Basic inorganic chemicals	b	Sulphuric acid (non-ferrous)	24131433	0,0	3	38	0,9	6,8	2,3	9,8	2,7	12,5
<i>Basic inorganic chemicals</i>	<i>c</i>	<i>Sulphuric acid from pyrite</i>	24131433	0,4	40	38	14,7	105,2	39,1	9,8	2,7	12,5
Basic inorganic chemicals	a	Phosphoric acid (wet process)	24131455	0,6	61	484	22,1	12,5	4,6	4,8	94,6	99,3
<i>Basic inorganic chemicals</i>	<i>b</i>	<i>Phosphoric acid (dry process)</i>	24131455	5,6	617	484	224,2	127,5	46,3	4,8	94,6	99,3
Basic inorganic chemicals		Hydro-fluoric acid	24131473	0,4	39	757	14,3	5,1	1,9	3,5	2,6	6,2

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Fertilizers	a	Urea with NH3, natural gas	24153013	0,4	123	446	17,8	27,5	4,0	16,9	53,8	70,7
Fertilizers	b	Urea with NH3, heavy hydrocarbons	24153013	1,1	261	446	43,2	58,4	9,7	16,9	53,8	70,7
Fertilizers	a	Ammonium nitrate (AN), natural gas	24153030	1,9	150	432	75,2	34,6	17,4	12,1	6,8	18,9
<i>Fertilizers</i>	<i>b</i>	<i>Ammonium nitrate (AN), heavy hydrocarbons</i>	24153030	2,8	356	432	113,3	82,5	26,3	12,1	6,8	18,9
Fertilizers	a	UAN, Urea ammonium nitrate, natural gas	24153080	1,0	111	462	40,2	24,0	8,7	11,7	1,3	13,0
Fertilizers	b	UAN, Urea ammonium nitrate, heavy hydrocarbons	24153080	1,7	252	462	66,3	54,6	14,4	11,7	1,3	13,0
Fertilizers	a	CAN, Calcium ammonium nitrate, natural gas	24153043	1,5	122	471	61,2	26,0	13,0	5,3	3,9	9,2
Fertilizers	b	CAN, Calcium ammonium nitrate, heavy hydrocarbons	24153043	2,3	288	471	91,7	61,2	19,5	5,3	3,9	9,2
Fertilizers		NPK (Nitrogen phosphate sodium)	24158023	0,0	3	222	1,2	1,5	0,5	12,3	12,6	24,9
Chlor-Alkaline	a	Membrane (chlorine)	24131111	0,6	69	111	23,0	61,8	20,8	1,7	0,4	2,1
Chlor-Alkaline	b	Amalgam (chlorine)	24131111	0,7	85	111	28,5	76,8	25,7	1,7	0,4	2,1
Chlor-Alkaline	c	Diaphragm (chlorine)	24131111	0,7	77	111	26,1	69,6	23,5	1,7	0,4	2,1
Chlor-Alkaline	a	Membrane (sodium hydroxide)	24131525	0,5	61	354	20,4	17,2	5,8	23,2	3,3	26,5
Chlor-Alkaline	b	Amalgam (sodium hydroxide)	24131525	0,6	76	354	25,3	21,3	7,1	23,2	3,3	26,5
Chlor-Alkaline	c	Diaphragm (sodium hydroxide)	24131525	0,6	68	354	23,1	19,3	6,5	23,2	3,3	26,5
Basic organic chemicals		Ethylene	24141130	1,9	374	625	76,0	59,7	12,2	0,9	5,3	6,2
<i>Basic organic chemicals</i>		<i>Propylene</i>	24141140	2,9	626	657	116,0	95,3	17,6	1,0	5,7	6,7
<i>Basic organic chemicals</i>		<i>Ethylene oxide</i>	24146373	3,7	568	699	148,1	81,2	21,2	4,3	0,8	5,1
<i>Basic organic chemicals</i>		<i>Ethylene glycol</i>	24142310	4,6	709	587	185,1	120,8	31,5	8,0	34,9	42,8
Basic organic chemicals		Vinyl Chloride	24141371	0,3	35	282	12,5	12,3	4,4	0,0	104,7	104,7
Basic organic chemicals	a	Benzene from pygas	24141223	0,8	118	613	32,3	19,2	5,3	3,2	10,0	13,2
Basic organic chemicals	b	Benzene from HDA	24141223	0,7	111	613	29,8	18,0	4,9	3,2	10,0	13,2
Basic organic chemicals	c	Benzene from reformat plant	24141223	1,2	178	613	49,0	29,1	8,0	3,2	10,0	13,2
Polymers		Polyethylene LDPE	24161039	2,2	407	1.099	87,0	37,0	7,9	14,5	10,5	25,0
Polymers		Polyethylene HDPE	24161050	2,2	416	849	89,6	49,0	10,5	18,3	15,4	33,8
Polymers		Polypropylene PP	24165130	3,2	672	1.013	129,9	66,3	12,8	10,7	3,2	13,9
Polymers		Polyvinyl chloride PVC	24163010	1,9	290	737	75,1	39,3	10,2	12,2	3,8	16,0
Polymers		Polystyrene GPPS	24162039	1,2	195	845	47,1	23,1	5,6	16,8	8,6	25,4
Polymers		Expanded polystyrene EPS	24162035	1,2	200	1.184	48,7	16,9	4,1	5,5	4,2	9,7
Polymers	a	Polyethylene terephthalate PET	24164062	1,9	282	945	76,6	29,8	8,1	10,2	63,1	73,3
Polymers	b	Polyethylene terephthalate PET	24164064	1,9	282	1.178	76,6	23,9	6,5	6,7	8,9	15,7

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