



*HEAT COLOR TABLE **

Heat color	Temperature, °C
<i>initial red</i>	<i>about 520</i>
<i>dark red</i>	<i>about 700</i>
<i>cherry red</i>	<i>about 800</i>
<i>bright red</i>	<i>about 900</i>
<i>yellow</i>	<i>about 1100</i>
<i>initial white</i>	<i>about 1300</i>
<i>full white</i>	<i>about 1500</i>

* The following heat colors can be used to estimate temperatures.



**TABLE FOR CHOICE OF WEDGE AND RADIAL PRODUCTS
WITH 2mm JOINT AND CENTRAL ANGLE = 360°**

Radius, mm	Item No	Description	Dimension, mm				Number, n/360°
			a	a ₁	h	l	
120	546	radial brick	192	89.5	55	134	8
262	347	radial brick	160	134	80	50	12
266	9	side arch	65	45	113	230	37
289	14	side arch	65	45	123	250	40
302	332	radial brick	230	153	120	150	12
303	68	end arch	76	45	200	150	42
326	359	radial brick	273	155	120	245	13
355	69	end arch	84	53	200	150	42
391	3440	radial brick	190	100	75	345	25
400	70	end arch	82	54	200	150	47
454	50	side arch	73	57	123	250	50
458	71	end arch	77	53	200	150	54
462	1107	double end arch	60	40	220	220	73
488	72	end arch	84	59	200	150	52
519	2819	side arch bonder	78	52	250	187	63
519	48	double end arch	78	52	250	250	63
537	V2	radial brick	250	170	123	250	20
540	2613	side arch bonder	65	45	230	171	75
540	11	end arch	65	45	230	113	75
572	4098	side arch	60	50	110	220	72
587	13	end arch	65	45	250	123	82
644	12	side arch	65	55	113	230	74
655	2612	side arch bonder	75	55	230	171	75
655	24	end arch	75	55	230	113	75
689	1108	double end arch	60	45	220	220	96
701	7	side arch	65	55	123	250	80

**TABLE FOR CHOICE OF WEDGE AND RADIAL PRODUCTS
WITH 2mm JOINT AND CENTRAL ANGLE = 360 °**

(continued)

Radius, mm	Item No	Description	Dimension, mm				Number, n/360 °
			a	a ₁	h	l	
705	3544	side arch bonder	65	45	300	225	98
779	3026	radial brick	186	160	120	125	31
800	V3	radial brick	250	190	123	250	26
829	77	end arch	80	61	250	150	85
916	951	end arch	75	56	300	150	103
922	823	double end arch	73	57	250	250	102
1020	1105	end arch	78	65	198	160	99
1029	81	end arch	85	68	250	150	95
1117	78	end arch	80	65	250	150	108
1144	1109	double end arch	60	50	220	220	144
1144	4099	end arch	60	50	220	110	144
1254	4116	side arch	60	55	110	220	143
1269	79	end arch	77	64	250	150	125
1289	569	key brick	65	56	200	198	145
1308	74	end arch	79	66	250	150	124
1311	10	end arch	65	55	230	113	150
1311	2312	end arch bonder	65	55	230	171	150
1312	2126	side arch	68	62	123	250	133
1425	6	end arch	65	55	250	123	163
1477	75	end arch	74	63	250	150	147
1571	98''	key brick	60	53	200	150	186
1636	80	end arch	81	70	250	150	147
1675	28	end arch	75	65	250	123	162
1682	76	end arch	83	72	250	150	147
1710	469	end arch	65	55	300	150	195
1710	918	end arch bonder	65	55	300	225	195

**TABLE FOR CHOICE OF WEDGE AND RADIAL PRODUCTS
WITH 2mm JOINT AND CENTRAL ANGLE = 360 °**

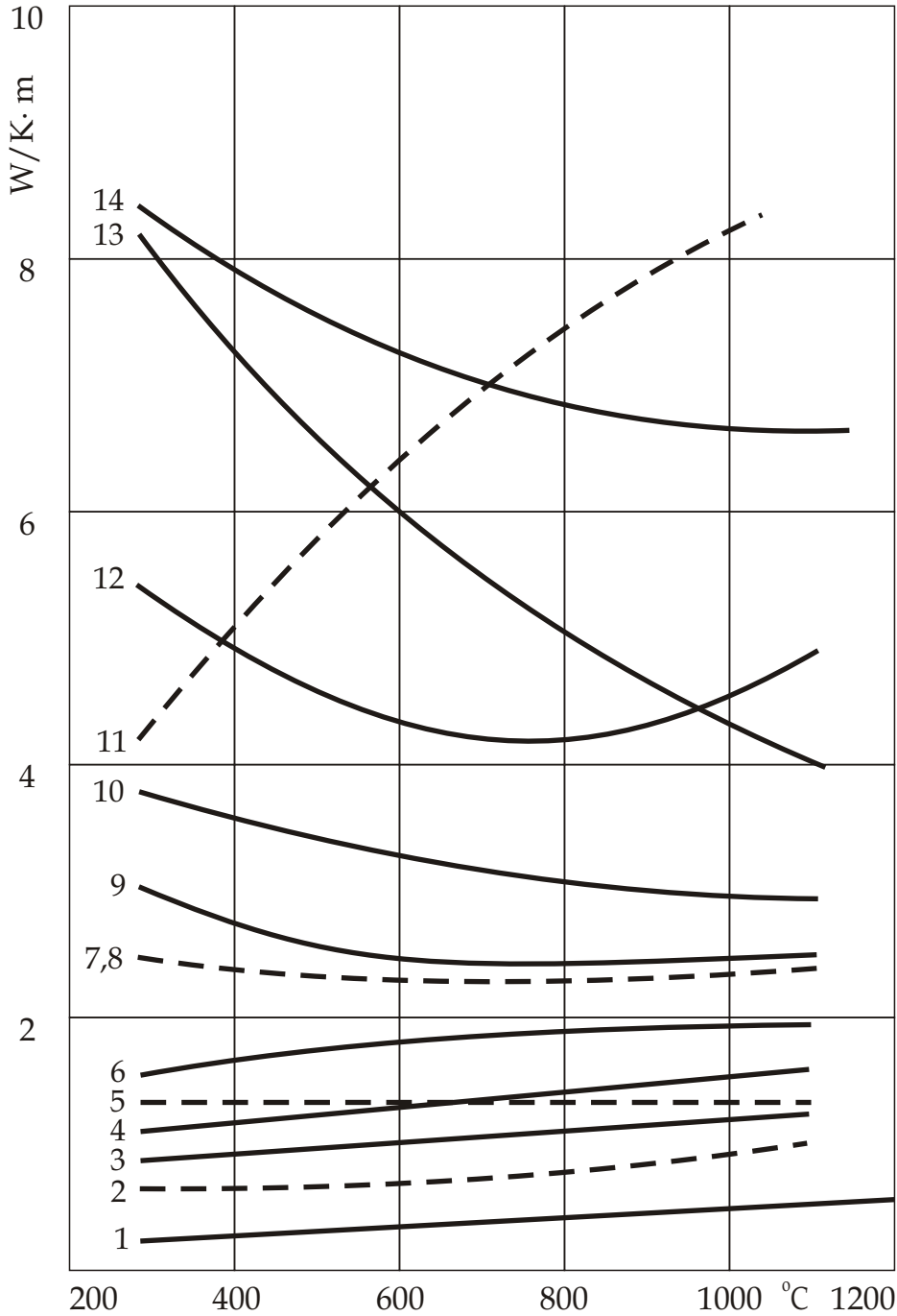
(continued)

Radius, mm	Item No	Description	Dimension, mm				Number, n/360 °
			a	a ₁	h	l	
1753	151	<i>radial brick</i>	150	125	75	345	88
1857	98	<i>end arch</i>	70	63	200	150	185
1933	84"	<i>key brick</i>	62	56	200	150	217
1511	567	<i>end arch</i>	75	66	200	198	144
1980	1106	<i>end arch</i>	75	68	198	160	183
2083	V1	<i>radial brick</i>	250	223	123	250	59
2101	3155	<i>radial brick</i>	150	135	75	230	98
2107	1711	<i>side arch bonder</i>	64	57	250	186	232
2143	98`	<i>key brick</i>	80	73	200	150	184
2267	949	<i>end arch</i>	75	66	300	150	216
2267	84	<i>end arch</i>	72	66	200	150	216
2508	4109	<i>end arch</i>	60	55	220	110	287
2600	84`	<i>key brick</i>	82	76	200	150	215
3100	565	<i>end arch</i>	65	60	250	123	325
3100	1355	<i>double end arch</i>	65	60	250	250	325
3900	568	<i>end arch</i>	80	76	200	198	322
4320	948	<i>end arch</i>	75	70	300	150	388

THERMAL CONDUCTIVITY

Typical curves

Brick type

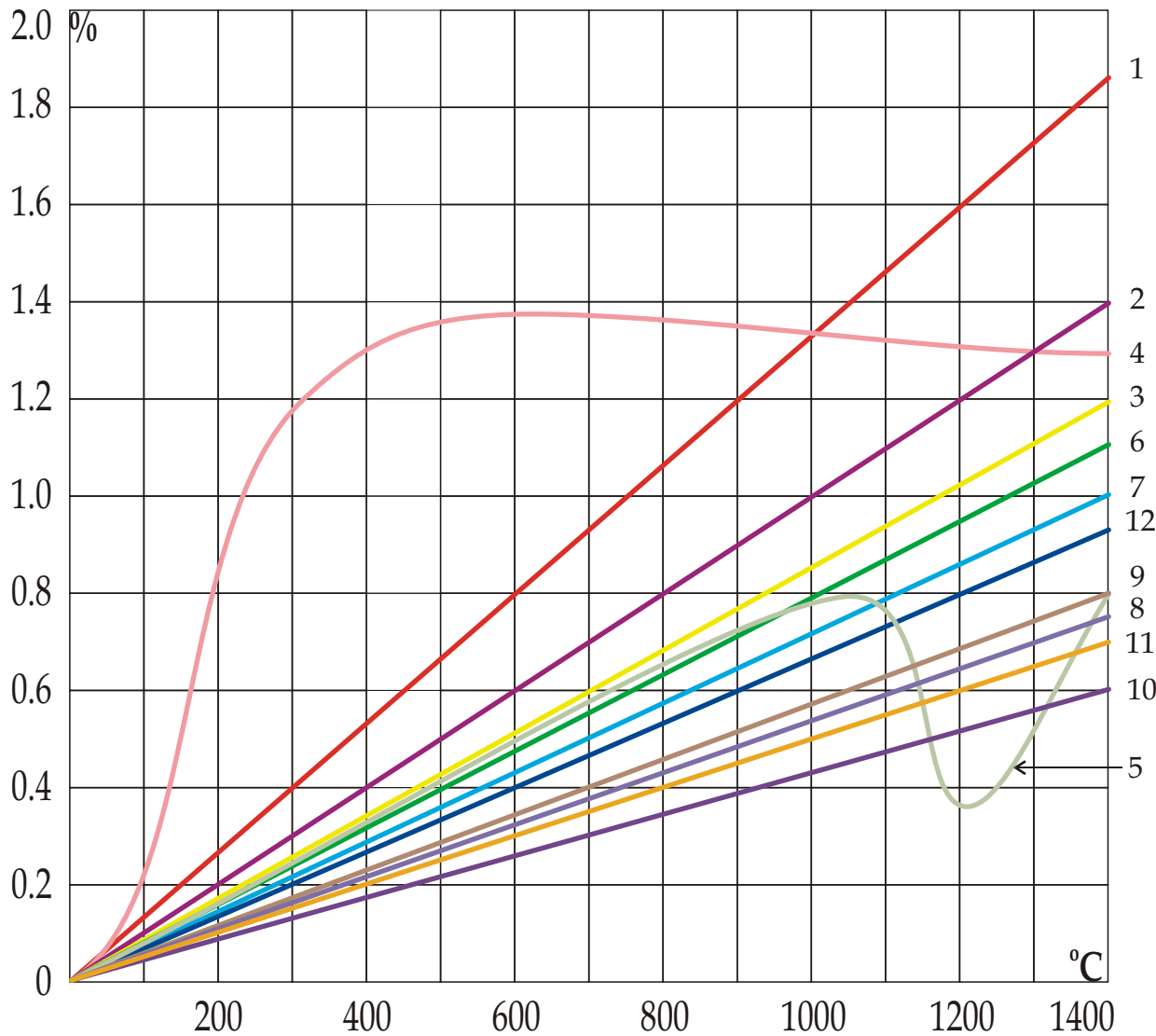


1. *insulating*
2. *zirconia*
3. *dry-pressed clay*
4. *fused silica*
5. *forsterite*
6. *chromite*
7. *corundum 90*
8. *magnesia chrome*
9. *zircon silicate*
10. *corundum 99*
11. *carbon*
12. *silicon carbide 40*
13. *magnesia*
14. *silicon carbide 60*

LINEAR THERMAL EXPANSION



Typical curves Brick type



1. *magnesia*
2. *chrome magnesia*
3. *chromite*
4. *silica*
5. *zirconia /partly stabilized/*
6. *corundum 90*
7. *bauxite 80*
8. *fireclay, mullite*
9. *sillimanite*
10. *zircon*
11. *silicon carbide 90*
12. *zircon mullite*

REFERENCE DATA

