

# Programat® P310, P510, P710, EP 3010, EP 5010 – Firing program table °C

Version: 9;  
Date information prepared:  
2017-03

Valid as of Software  
V5.0 for P310, P510  
V3.0 for P710  
V4.0 for EP 3010, EP 5010

Ivoclar Vivadent Program table		values in °C											IRT-t*			
		B	S	t	T	H	V1	V2	L	tl	tl	IRT mode				
		Standby temp. [°C]	Closing time [mm:ss]	Temperature increase [°C]	Holding temp. [°C]	Holding time [hh:mm:ss]	Vacuum on [°C]	Vacuum off [°C]	Longterm cooling [°C]	Cool down gradient [°C]	[°C]	[hh:mm:ss]				
value ranges for all programs		MIN	100	00:18	10	100	00:00:00	0	0	0	0	0	0	00:00	-	
		MAX	700	30:00	140	1200	01:00:00	1200	1201	1200	50	700	01:00:00	-	-	
groups of material	P.Nr.															
IPS Style	1	1st / 2nd Opaquer firing 870	m.V.	403	04:00	100	870	01:00	450	869	off	off	off	00:00	Standard mode	
	2	1st / 2nd Margin firing	m.V.	403	06:00	60	840	01:30	450	839	off	off	off	00:00	Standard mode	
	3	1st Dentin/Incisal firing / One firing	m.V.	403	06:00	60	790	01:00	450	789	off	off	off	00:00	Standard mode	
	4	2nd Dentin/Incisal firing / One firing	m.V.	403	06:00	60	780	01:00	450	779	off	off	off	00:00	Standard mode	
	5	Stain firing	m.V.	403	06:00	60	750	01:00	450	749	off	off	off	00:00	Standard mode	
	6	Glaze firing/Add-On with Glaze firing	m.V.	403	06:00	60	750	01:00	450	749	off	off	off	00:00	Standard mode	
	7	Add-On after Glaze firing	m.V.	403	06:00	60	690	01:00	450	689	off	off	off	00:00	Standard mode	
IPS InLine	21	1st / 2nd powder opaquer firing	m.V.	403	04:00	100	960	02:00	450	959	off	off	off	00:00	Standard mode	
	22	1st / 2nd paste opaquer firing	m.V.	403	06:00	100	930	02:00	450	929	off	off	off	00:00	Standard mode	
	23	1st / 2nd Margin firing	m.V.	403	04:00	60	930	01:00	450	929	off	off	off	00:00	Standard mode	
	24	1st Dentin / Incisal firing	m.V.	403	04:00	60	910	01:00	450	909	off	off	off	00:00	Standard mode	
	25	2nd Dentin / Incisal firing	m.V.	403	04:00	60	900	01:00	450	899	off	off	off	00:00	Standard mode	
	26	Margin Add-On firing	m.V.	403	04:00	60	900	01:00	450	899	off	off	off	00:00	Standard mode	
	27	Add-On after Dentin/Incisal firing	m.V.	403	04:00	60	860	01:00	450	859	off	off	off	00:00	Standard mode	
	28	Stains firing Ivocolor	m.V.	403	06:00	60	830	01:00	450	829	off	off	off	00:00	Standard mode	
	29	Stain firing InLine	m.V.	403	06:00	60	850	01:00	450	849	off	off	off	00:00	Standard mode	
	30	Glaze firing Ivocolor	m.V.	403	06:00	60	830	01:00	450	829	off	off	off	00:00	Standard mode	
	31	Glaze firing InLine	m.V.	403	06:00	60	850	02:00	450	849	off	off	off	00:00	Standard mode	
	32	Add-On after Glaze firing	m.V.	403	04:00	60	690	01:00	450	689	off	off	off	00:00	Standard mode	
	IPS Empress Esthetic + CAD	41	Wash firing	m.V.	403	04:00	60	840	02:00	450	839	off	off	off	00:00	Standard mode
42		1st/2nd Incisal firing	m.V.	403	04:00	60	830	02:00	450	829	off	off	off	00:00	Standard mode	
43		Shade / Stain firing Universal	m.V.	403	06:00	100	790	01:30	450	789	off	off	off	00:00	Standard mode	
44		Stains firing Ivocolor	m.V.	403	06:00	60	710	01:00	450	709	off	off	off	00:00	Standard mode	
45		Glaze firing Universal	m.V.	403	06:00	100	790	01:30	450	789	off	off	off	00:00	Standard mode	
46		Glaze firing Ivocolor	m.V.	403	06:00	60	710	01:00	450	709	off	off	off	00:00	Standard mode	
47		Add-On	m.V.	403	04:00	60	770	02:00	450	769	off	off	off	00:00	Standard mode	
IPS e.max Press Staining Tech.	61	Stain firing e.max Ceram	m.V.	403	06:00	60	770	01:30	450	769	off	off	off	00:00	Standard mode	
	62	Stain firing Ivocolor	m.V.	403	06:00	60	710	01:00	450	709	off	off	off	00:00	Standard mode	
	63	Glaze firing e.max Ceram	m.V.	403	06:00	60	770	01:30	450	769	off	off	off	00:00	Standard mode	
	64	Glaze firing Ivocolor	m.V.	403	06:00	60	710	01:00	450	709	off	off	off	00:00	Standard mode	
	65	Add-On after Glaze firing	m.V.	403	06:00	50	700	01:00	450	699	off	off	off	00:00	Standard mode	
IPS e.max Press Layering Tech.	81	Wash firing (foundation)	m.V.	403	04:00	90 / 20	650 / 730	00:00 / 02:00	400 / 650	650 / 729	off	off	off	00:00	Standard mode	
	82	Wash firing characterization	m.V.	403	04:00	90 / 20	650 / 730	00:00 / 02:00	400 / 650	650 / 729	off	off	off	00:00	Standard mode	
	83	1st/2nd Dentin/Incisal firing	m.V.	403	04:00	90 / 20	650 / 730	00:00 / 02:00	400 / 650	650 / 729	off	off	off	00:00	Standard mode	
	84	Stain firing e.max Ceram	m.V.	403	06:00	60	725	01:00	450	724	off	off	off	00:00	Standard mode	
	85	Stain firing Ivocolor	m.V.	403	06:00	60	710	01:00	450	709	off	off	off	00:00	Standard mode	
	86	Glaze firing e.max Ceram	m.V.	403	06:00	60	725	01:00	450	724	off	off	off	00:00	Standard mode	
	87	Glaze firing Ivocolor	m.V.	403	06:00	60	710	01:00	450	709	off	off	off	00:00	Standard mode	
	88	Add-On + Glaze firing e.max Ceram	m.V.	403	06:00	60	725	01:00	450	724	off	off	off	00:00	Standard mode	
	89	Add-On with Glaze firing Ivocolor	m.V.	403	06:00	60	710	01:00	450	709	off	off	off	00:00	Standard mode	
	90	Add-On after Glaze firing	m.V.	403	06:00	50	700	01:00	450	699	off	off	off	00:00	Standard mode	
IPS e.max ZirPress Staining Tech.	101	ZirLiner firing before wax-up	m.V.	403	04:00	40	960	01:00	450	959	off	off	off	00:00	Standard mode	
	102	Stain firing e.max Ceram	m.V.	403	06:00	60	770	01:30	450	769	450	off	off	00:00	Standard mode	
	103	Stain firing Ivocolor	m.V.	403	06:00	60	710	01:00	450	709	450	off	off	00:00	Standard mode	
	104	Glaze firing e.max Ceram	m.V.	403	06:00	60	770	01:30	450	769	450	off	off	00:00	Standard mode	
	105	Glaze firing Ivocolor	m.V.	403	06:00	60	710	01:00	450	709	450	off	off	00:00	Standard mode	
	106	Add-On after Glaze firing	m.V.	403	06:00	50	700	01:00	450	699	450	off	off	00:00	Standard mode	
IPS e.max ZirPress Layering Tech.	121	ZirLiner firing before wax-up	m.V.	403	04:00	40	960	01:00	450	959	off	off	off	00:00	Standard mode	
	122	Wash firing (foundation)	m.V.	403	04:00	90 / 20	650 / 730	00:00 / 02:00	400 / 650	650 / 729	off	off	off	00:00	Standard mode	
	123	Wash firing characterization	m.V.	403	04:00	90 / 20	650 / 730	00:00 / 02:00	400 / 650	650 / 729	off	off	off	00:00	Standard mode	
	124	1st/2nd Dentin/Incisal firing	m.V.	403	04:00	90 / 20	650 / 730	00:00 / 02:00	400 / 650	650 / 729	off	off	off	00:00	Standard mode	
	125	Stain firing e.max Ceram	m.V.	403	06:00	60	725	01:00	450	724	450	off	off	00:00	Standard mode	
	126	Stain firing Ivocolor	m.V.	403	06:00	60	710	01:00	450	709	450	off	off	00:00	Standard mode	
	127	Glaze firing e.max Ceram	m.V.	403	06:00	60	725	01:00	450	724	450	off	off	00:00	Standard mode	
	128	Glaze firing Ivocolor	m.V.	403	06:00	60	710	01:00	450	709	450	off	off	00:00	Standard mode	
	129	Add-On + Glaze firing e.max Ceram	m.V.	403	06:00	60	725	01:00	450	724	450	off	off	00:00	Standard mode	
	130	Add-On with Glaze firing Ivocolor	m.V.	403	06:00	60	710	01:00	450	709	450	off	off	00:00	Standard mode	
	131	Add-On after Glaze firing	m.V.	403	06:00	50	700	01:00	450	699	450	off	off	00:00	Standard mode	
	IPS e.max ZirCAD Staining Tech.	141	Stain firing Ivocolor	m.V.	403	06:00	45	710	01:00	450	709	450	off	off	00:00	Standard mode
		142	Glaze firing Ivocolor	m.V.	403	06:00	45	710	01:00	450	709	450	off	off	00:00	Standard mode
150		Regeneration firing	o.V.	403	00:18	65	1050	15:00	off	off	750	25	off	00:00	off	
IPS e.max CAD Crystal/Glaze		161	Crystallization LT/MT/HT	m.V.	403	06:00	90 / 30	830 / 850	00:10 / 07:00	550 / 830	830 / 850	710	off	off	00:00	Crystallization mode
	162	Corrective/Stain firing	m.V.	403	06:00	90 / 30	830 / 850	00:10 / 03:00	550 / 830	830 / 850	710	off	off	00:00	Crystallization mode	
	163	Fusion/Crystallization firing CAD-on	m.V.	403	02:00	30 / 30	830 / 850	02:00 / 07:00	550 / 830	830 / 850	610	off	403	06:00	Fusion mode	
	164	Corrective/Glaze firing CAD-on	m.V.	403	06:00	60 / 30	830 / 850	00:10 / 03:00	550 / 830	830 / 850	610	off	off	00:00	Crystallization mode	
	165	Speed Crystallization	m.V.	403	00:30	120 / 70	830 / 870	00:00 / 03:30	690 / 850	850 / 870	705	off	460	00:01	off	
	166	Crystallization MO/Imp./LT/MT/HT	m.V.	403	06:00	60 / 30	780 / 860	00:10 / 10:00	550 / 780	780 / 860	710	off	off	00:00	Crystallization mode	

Ivoclar Vivadent Program table		values in °C			B	S	t	T	H	V1	V2	L	tl			IRT-t*	
					Standby temp. [°C]	Closing time [mm:ss]	Temperature increase [°C]	Holding temp. [°C]	Holding time [hh:mm:ss]	Vacuum on [°C]	Vacuum off [°C]	Longterm cooling [°C]	Cool down gradient [°C]	[°C]	[hh:mm:ss]	IRT mode	
value ranges for all programs		MIN			100	00:18	10	100	00:00:00	0	0	0	0	0	0	00:00	-
		MAX			700	30:00	140	1200	01:00:00	1200	1201	1200	50	700	01:00:00	-	-
groups of material	P.Nr.																
IPS e.max CAD Staining Tech.	181	Crystallization LT/MT/HT	m.V.	403	06:00	90 / 30	830 / 850	00:10 / 07:00	550 / 830	830 / 850	710	off	off	off	off	00:00	Crystallization mode
	182	Stain firing e.max Ceram	m.V.	403	06:00	60	770	01:30	450	769	off	off	off	off	off	00:00	Standard mode
	183	Stain firing Ivocolor	m.V.	403	06:00	60	710	01:00	450	709	off	off	off	off	off	00:00	Standard mode
	184	Glaze firing e.max Ceram	m.V.	403	06:00	60	770	01:30	450	769	off	off	off	off	off	00:00	Standard mode
	185	Glaze firing Ivocolor	m.V.	403	06:00	60	710	01:00	450	709	off	off	off	off	off	00:00	Standard mode
	186	Add-On after Glaze firing	m.V.	403	06:00	50	700	01:00	450	699	off	off	off	off	off	00:00	Standard mode
	187	Crystallization MO/Imp./LT/MT/HT	m.V.	403	06:00	60 / 30	780 / 860	00:10 / 10:00	550 / 780	780 / 860	710	off	off	off	off	00:00	Crystallization mode
	201	Crystallization MO/Imp./LT/MT/HT	m.V.	403	06:00	60 / 30	780 / 860	00:10 / 10:00	550 / 780	780 / 860	710	off	off	off	off	00:00	Crystallization mode
IPS e.max CAD Layering Tech.	202	Crystallization LT/MT/HT	m.V.	403	06:00	90 / 30	830 / 850	00:10 / 07:00	550 / 830	830 / 850	710	off	off	off	off	00:00	Crystallization mode
	203	Wash firing (foundation)	m.V.	403	04:00	90 / 20	650 / 730	00:00 / 02:00	400 / 650	650 / 729	off	off	off	off	off	00:00	Standard mode
	204	Wash firing characterization	m.V.	403	04:00	90 / 20	650 / 730	00:00 / 02:00	400 / 650	650 / 729	off	off	off	off	off	00:00	Standard mode
	205	1st/2nd Dentin/Incisal firing	m.V.	403	04:00	90 / 20	650 / 730	00:00 / 02:00	400 / 650	650 / 729	off	off	off	off	off	00:00	Standard mode
	206	Stain firing e.max Ceram	m.V.	403	06:00	60	725	01:00	450	724	off	off	off	off	off	00:00	Standard mode
	207	Stain firing Ivocolor	m.V.	403	06:00	60	710	01:00	450	709	off	off	off	off	off	00:00	Standard mode
	208	Glaze firing e.max Ceram	m.V.	403	06:00	60	725	01:00	450	724	off	off	off	off	off	00:00	Standard mode
	209	Glaze firing Ivocolor	m.V.	403	06:00	60	710	01:00	450	709	off	off	off	off	off	00:00	Standard mode
	210	Add-On + Glaze firing e.max Ceram	m.V.	403	06:00	60	725	01:00	450	724	off	off	off	off	off	00:00	Standard mode
	211	Add-On with Glaze firing Ivocolor	m.V.	403	06:00	60	710	01:00	450	709	off	off	off	off	off	00:00	Standard mode
	212	Add-On after Glaze firing	m.V.	403	06:00	50	700	01:00	450	699	off	off	off	off	off	00:00	Standard mode
	IPS InLine PoM	221	1st / 2nd powder opaquer firing	m.V.	403	04:00	100	960	02:00	450	959	off	off	off	off	off	00:00
222		1st / 2nd paste opaquer firing	m.V.	403	06:00	100	930	02:00	450	929	off	off	off	off	off	00:00	Standard mode
223		Touch Up firing	m.V.	403	04:00	60	840	01:00	450	839	off	off	off	off	off	00:00	Standard mode
224		Stain firing Ivocolor	m.V.	403	06:00	60	710	01:00	450	709	off	off	off	off	off	00:00	Standard mode
225		Stains firing InLine	m.V.	403	06:00	60	800	01:00	450	799	off	off	off	off	off	00:00	Standard mode
226		Glaze firing Ivocolor	m.V.	403	06:00	60	710	01:00	450	709	off	off	off	off	off	00:00	Standard mode
227		Glaze firing InLine	m.V.	403	06:00	60	800	02:00	450	799	off	off	off	off	off	00:00	Standard mode
228		Add-On after Glaze firing 690°C	m.V.	403	04:00	60	690	01:00	450	689	off	off	off	off	off	00:00	Standard mode
IPS InLine One	241	1st / 2nd powder opaquer firing	m.V.	403	04:00	100	960	02:00	450	959	off	off	off	off	off	00:00	Standard mode
	242	1st / 2nd paste opaquer firing	m.V.	403	06:00	100	930	02:00	450	929	off	off	off	off	off	00:00	Standard mode
	243	1st Denticisal firing	m.V.	403	04:00	60	910	01:00	450	909	off	off	off	off	off	00:00	Standard mode
	244	2nd Denticisal firing	m.V.	403	04:00	60	900	01:00	450	899	off	off	off	off	off	00:00	Standard mode
	245	Stain firing Ivocolor	m.V.	403	06:00	60	830	01:00	450	829	off	off	off	off	off	00:00	Standard mode
	246	Stain firing InLine	m.V.	403	06:00	60	850	01:00	450	849	off	off	off	off	off	00:00	Standard mode
	247	Glaze firing Ivocolor	m.V.	403	06:00	60	830	01:00	450	829	off	off	off	off	off	00:00	Standard mode
	248	Glaze firing InLine	m.V.	403	06:00	60	850	02:00	450	849	off	off	off	off	off	00:00	Standard mode
IPS d.SIGN	249	Add-On after Glaze firing 690°C	m.V.	403	04:00	60	690	01:00	450	689	off	off	off	off	off	00:00	Standard mode
	261	1st Wash Opaquer firing	m.V.	403	06:00	80	900	01:00	450	899	off	off	off	off	off	00:00	Standard mode
	262	2nd Opaquer firing	m.V.	403	06:00	80	890	01:00	450	889	off	off	off	off	off	00:00	Standard mode
	263	1st / 2nd Margin firing	m.V.	403	06:00	60	890	01:00	450	889	off	off	off	off	off	00:00	Standard mode
	264	1st / 2nd Dentin / Incisal firing	m.V.	403	07:00	60	870	01:00	450	869	off	off	off	off	off	00:00	Standard mode
	265	Stain firing Ivocolor	m.V.	403	06:00	60	800	01:00	450	829	off	off	off	off	off	00:00	Standard mode
	266	Stain firing d.SIGN	m.V.	403	04:00	60	830	01:00	450	829	off	off	off	off	off	00:00	Standard mode
	267	Glaze firing Ivocolor	m.V.	403	06:00	60	800	01:00	450	799	off	off	off	off	off	00:00	Standard mode
IPS e.max ZirCAD Layering Tech.	268	Glaze firing d.SIGN	m.V.	403	04:00	60	830	01:00	450	829	off	off	off	off	off	00:00	Standard mode
	269	Glaze firing w.o. Glaze	m.V.	403	04:00	60	870	01:00	450	869	off	off	off	off	off	00:00	Standard mode
	270	Margin Add-On firing	m.V.	403	04:00	60	830	01:00	450	829	off	off	off	off	off	00:00	Standard mode
	271	Add-On Mix 1:1 firing	m.V.	403	04:00	60	810	01:00	450	809	off	off	off	off	off	00:00	Standard mode
	272	Add-On firing	m.V.	403	04:00	60	750	01:00	450	749	off	off	off	off	off	00:00	Standard mode
	281	ZirLiner firing	m.V.	403	04:00	40	960	01:00	450	959	off	off	off	off	off	00:00	Standard mode
	282	1st/2nd Margin firing	m.V.	403	04:00	40	800	01:00	450	799	off	off	off	off	off	00:00	Standard mode
	283	Wash firing characterization	m.V.	403	04:00	90 / 20	650 / 730	00:00 / 02:00	400 / 650	650 / 729	off	off	off	off	off	00:00	Standard mode
IPS e.max ZirCAD Layering Tech.	284	1st/2nd Dentin/Incisal firing	m.V.	403	04:00	90 / 20	650 / 730	00:00 / 02:00	400 / 650	650 / 729	off	off	off	off	off	00:00	Standard mode
	285	Stain firing e.max Ceram	m.V.	403	06:00	60	725	01:00	450	724	450	off	off	off	off	00:00	Standard mode
	286	Stain firing Ivocolor	m.V.	403	06:00	60	710	01:00	450	709	450	off	off	off	off	00:00	Standard mode
	287	Glaze firing e.max Ceram	m.V.	403	06:00	60	725	01:00	450	724	450	off	off	off	off	00:00	Standard mode
	288	Glaze firing Ivocolor	m.V.	403	06:00	60	710	01:00	450	709	450	off	off	off	off	00:00	Standard mode
	289	Add-On + Glaze firing e.max Ceram	m.V.	403	06:00	60	725	01:00	450	724	450	off	off	off	off	00:00	Standard mode
	290	Add-On with Glaze firing Ivocolor	m.V.	403	06:00	60	710	01:00	450	709	450	off	off	off	off	00:00	Standard mode
	291	Add-On after Glaze firing	m.V.	403	06:00	50	700	01:00	450	699	450	off	off	off	off	00:00	Standard mode
	292	Regeneration firing	o.V.	403	00:18	65	1050	15:00	off	off	750	25	off	off	off	00:00	off

Information about the individual programs can be found in Chapter 5.3 of the respective Instructions for Use.

Program nos. 161, 162, 163, 164, 165, 181, 201, 202: These programs were exclusively developed for the new Programat furnaces and are not compatible with furnaces of previous generations. Parameters marked with (\*) are only available in furnaces with the Programat Infrared Technology

m.V. = with Vacuum  
o.V. = without Vacuum

Version: 9;  
Date information prepared:  
2017-03

Valid as of Software  
V5.0 for P310, P510  
V3.0 for P710  
V4.0 for EP 3010, EP 5010

# Programat® P310, P510, P710, EP 3010, EP 5010 – Firing program table °F

Version: 9;  
Date information prepared:  
2017-03

Valid as of Software  
V5.0 for P310, P510  
V3.0 for P710  
V4.0 for EP 3010, EP 5010

Ivoclar Vivadent Program table		values in °F		B	S	t	T	H	V1	V2	L	tl	IRT-t*			
				Standby temp. [°F]	Closing time [mm:ss]	Temperature increase [°F]	Holding temp. [°F]	Holding time [hh:mm:ss]	Vacuum on [°F]	Vakuum off [°F]	Longterm cooling [°F]	Cool down gradient [°F]		[°F]	[hh:mm:ss]	
value ranges for all programs		MIN		212	00:18	50	212	00:00:00	32	32	32	32	00:00	-		
		MAX		1292	30:00	284	2192	01:00:00	2192	2194	2192	122	1292	01:00:00	-	
groups of material	P.Nr.															
IPS Style	1	1st / 2nd Opaquer firing 870	m.V.	757	04:00	180	1598	01:00	842	1596	off	off	off	00:00	Standard mode	
	2	1st / 2nd Margin firing	m.V.	757	06:00	108	1544	01:30	842	1542	off	off	off	00:00	Standard mode	
	3	1st Dentin/Incisal firing / One firing	m.V.	757	06:00	108	1454	01:00	842	1452	off	off	off	00:00	Standard mode	
	4	2nd Dentin/Incisal firing / One firing	m.V.	757	06:00	108	1436	01:00	842	1434	off	off	off	00:00	Standard mode	
	5	Stain firing	m.V.	757	06:00	108	1382	01:00	842	1380	off	off	off	00:00	Standard mode	
	6	Glaze firing/Add-On with Glaze firing	m.V.	757	06:00	108	1382	01:00	842	1380	off	off	off	00:00	Standard mode	
	7	Add-On after Glaze firing	m.V.	757	06:00	108	1274	01:00	842	1272	off	off	off	00:00	Standard mode	
IPS InLine	21	1st / 2nd powder opaquer firing	m.V.	757	04:00	180	1760	02:00	842	1758	off	off	off	00:00	Standard mode	
	22	1st / 2nd paste opaquer firing	m.V.	757	06:00	180	1706	02:00	842	1704	off	off	off	00:00	Standard mode	
	23	1st / 2nd Margin firing	m.V.	757	04:00	108	1706	01:00	842	1704	off	off	off	00:00	Standard mode	
	24	1st Dentin / Incisal firing	m.V.	757	04:00	108	1670	01:00	842	1668	off	off	off	00:00	Standard mode	
	25	2nd Dentin / Incisal firing	m.V.	757	04:00	108	1652	01:00	842	1650	off	off	off	00:00	Standard mode	
	26	Margin Add-On firing	m.V.	757	04:00	108	1652	01:00	842	1650	off	off	off	00:00	Standard mode	
	27	Add-On after Dentin/Incisal firing	m.V.	757	04:00	108	1580	01:00	842	1578	off	off	off	00:00	Standard mode	
	28	Stains firing Ivocolor	m.V.	757	06:00	108	1526	01:00	842	1524	off	off	off	00:00	Standard mode	
	29	Stain firing InLine	m.V.	757	06:00	108	1562	01:00	842	1560	off	off	off	00:00	Standard mode	
	30	Glaze firing Ivocolor	m.V.	757	06:00	108	1526	01:00	842	1524	off	off	off	00:00	Standard mode	
	31	Glaze firing InLine	m.V.	757	06:00	108	1562	02:00	842	1560	off	off	off	00:00	Standard mode	
	32	Add-On after Glaze firing	m.V.	757	04:00	108	1274	01:00	842	1272	off	off	off	00:00	Standard mode	
IPS Empress Esthetic + CAD	41	Wash firing	m.V.	757	04:00	108	1544	02:00	842	1542	off	off	off	00:00	Standard mode	
	42	1st/2nd Incisal firing	m.V.	757	04:00	108	1526	02:00	842	1524	off	off	off	00:00	Standard mode	
	43	Shade / Stain firing Universal	m.V.	757	06:00	180	1454	01:30	842	1452	off	off	off	00:00	Standard mode	
	44	Stains firing Ivocolor	m.V.	757	06:00	108	1310	01:00	842	1308	off	off	off	00:00	Standard mode	
	45	Glaze firing Universal	m.V.	757	06:00	180	1454	01:30	842	1452	off	off	off	00:00	Standard mode	
	46	Glaze firing Ivocolor	m.V.	757	06:00	108	1310	01:00	842	1308	off	off	off	00:00	Standard mode	
	47	Add-On	m.V.	757	04:00	108	1418	02:00	842	1416	off	off	off	00:00	Standard mode	
IPS e.max Press Staining Tech.	61	Stain firing e.max Ceram	m.V.	757	06:00	108	1418	01:30	842	1416	off	off	off	00:00	Standard mode	
	62	Stain firing Ivocolor	m.V.	757	06:00	108	1310	01:00	842	1308	off	off	off	00:00	Standard mode	
	63	Glaze firing e.max Ceram	m.V.	757	06:00	108	1418	01:30	842	1416	off	off	off	00:00	Standard mode	
	64	Glaze firing Ivocolor	m.V.	757	06:00	108	1310	01:00	842	1308	off	off	off	00:00	Standard mode	
	65	Add-On after Glaze firing	m.V.	757	06:00	90	1292	01:00	842	1290	off	off	off	00:00	Standard mode	
	IPS e.max Press Layering Tech.	81	Wash firing (foundation)	m.V.	757	04:00	162 / 36	1202 / 1346	00:00 / 02:00	752 / 1202	1202 / 1344	off	off	off	00:00	Standard mode
		82	Wash firing characterization	m.V.	757	04:00	162 / 36	1202 / 1346	00:00 / 02:00	752 / 1202	1202 / 1344	off	off	off	00:00	Standard mode
83		1st/2nd Dentin/Incisal firing	m.V.	757	04:00	162 / 36	1202 / 1346	00:00 / 02:00	752 / 1202	1202 / 1344	off	off	off	00:00	Standard mode	
84		Stain firing e.max Ceram	m.V.	757	06:00	108	1337	01:00	842	1335	off	off	off	00:00	Standard mode	
85		Stain firing Ivocolor	m.V.	757	06:00	108	1310	01:00	842	1308	off	off	off	00:00	Standard mode	
86		Glaze firing e.max Ceram	m.V.	757	06:00	108	1337	01:00	842	1335	off	off	off	00:00	Standard mode	
87		Glaze firing Ivocolor	m.V.	757	06:00	108	1310	01:00	842	1308	off	off	off	00:00	Standard mode	
88		Add-On + Glaze firing e.max Ceram	m.V.	757	06:00	108	1337	01:00	842	1335	off	off	off	00:00	Standard mode	
89		Add-On with Glaze firing Ivocolor	m.V.	757	06:00	108	1310	01:00	842	1308	off	off	off	00:00	Standard mode	
90		Add-On after Glaze firing	m.V.	757	06:00	90	1292	01:00	842	1290	off	off	off	00:00	Standard mode	
IPS e.max ZirPress Staining Tech.		101	ZirLiner firing before wax-up	m.V.	757	04:00	72	1760	01:00	842	1758	off	off	off	00:00	Standard mode
		102	Stain firing e.max Ceram	m.V.	757	06:00	108	1418	01:30	842	1416	842	off	off	00:00	Standard mode
	103	Stain firing Ivocolor	m.V.	757	06:00	108	1310	01:00	842	1308	842	off	off	00:00	Standard mode	
	104	Glaze firing e.max Ceram	m.V.	757	06:00	108	1418	01:30	842	1416	842	off	off	00:00	Standard mode	
	105	Glaze firing Ivocolor	m.V.	757	06:00	108	1310	01:00	842	1308	842	off	off	00:00	Standard mode	
	106	Add-On after Glaze firing	m.V.	757	06:00	90	1292	01:00	842	1290	842	off	off	00:00	Standard mode	
	121	ZirLiner firing before wax-up	m.V.	757	04:00	72	1760	01:00	842	1758	off	off	off	00:00	Standard mode	
IPS e.max ZirPress Layering Tech.	122	Wash firing (foundation)	m.V.	757	04:00	162 / 36	1202 / 1346	00:00 / 02:00	752 / 1202	1202 / 1344	off	off	off	00:00	Standard mode	
	123	Wash firing characterization	m.V.	757	04:00	162 / 36	1202 / 1346	00:00 / 02:00	752 / 1202	1202 / 1344	off	off	off	00:00	Standard mode	
	124	1st/2nd Dentin/Incisal firing	m.V.	757	04:00	162 / 36	1202 / 1346	00:00 / 02:00	752 / 1202	1202 / 1344	off	off	off	00:00	Standard mode	
	125	Stain firing e.max Ceram	m.V.	757	06:00	108	1337	01:00	842	1335	842	off	off	00:00	Standard mode	
	126	Stain firing Ivocolor	m.V.	757	06:00	108	1310	01:00	842	1308	842	off	off	00:00	Standard mode	
	127	Glaze firing e.max Ceram	m.V.	757	06:00	108	1337	01:00	842	1335	842	off	off	00:00	Standard mode	
	128	Glaze firing Ivocolor	m.V.	757	06:00	108	1310	01:00	842	1308	842	off	off	00:00	Standard mode	
	129	Add-On + Glaze firing e.max Ceram	m.V.	757	06:00	108	1337	01:00	842	1335	842	off	off	00:00	Standard mode	
	130	Add-On with Glaze firing Ivocolor	m.V.	757	06:00	108	1310	01:00	842	1308	842	off	off	00:00	Standard mode	
	131	Add-On after Glaze firing	m.V.	757	06:00	90	1292	01:00	842	1290	842	off	off	00:00	Standard mode	
	IPS e.max ZirCAD Staining Tech.	141	Stain firing Ivocolor	m.V.	757	06:00	81	1310	01:00	842	1308	842	off	off	00:00	Standard mode
		142	Glaze firing Ivocolor	m.V.	757	06:00	81	1310	01:00	842	1308	842	off	off	00:00	Standard mode
150		Regeneration firing	o.V.	757	00:18	117	1922	15:00	off	off	1382	45	off	00:00	off	
IPS e.max CAD Crystall/Glaze		161	Crystallization LT/MT/HT	m.V.	757	06:00	162 / 54	1526 / 1562	00:10 / 07:00	1022 / 1526	1526 / 1562	1310	off	off	00:00	Crystallization mode
	162	Corrective / Stain firing	m.V.	757	06:00	162 / 54	1526 / 1562	00:10 / 03:00	1022 / 1526	1526 / 1562	1310	off	off	00:00	Crystallization mode	
	163	Fusion/Crystallization firing CAD-on	m.V.	757	02:00	54 / 54	1526 / 1562	02:00 / 07:00	1022 / 1526	1526 / 1562	1130	off	757	06:00	Fusion mode	
	164	Corrective/Glaze firing CAD-on	m.V.	757	06:00	108 / 54	1526 / 1562	00:10 / 03:00	1022 / 1526	1526 / 1562	1130	off	off	00:00	Crystallization mode	
	165	Speed Crystallization	m.V.	757	00:30	216 / 126	1562 / 1598	00:00 / 03:30	1274 / 1562	1562 / 1598	1301	off	860	00:01	off	
	166	Crystallization MO/Imp/LT/MT/HT	m.V.	757	06:00	108 / 54	1436 / 1580	00:10 / 10:00	1022 / 1436	1436 / 1580	1310	off	off	00:00	Crystallization mode	

Ivoclar Vivadent Program table		values in °F		B	S	t	T	H	V1	V2	L	tl			IRT-t*	
value ranges for all programs		MIN	MAX	Standby temp. [°F]	Closing time [mm:ss]	Temperature increase [°F]	Holding temp. [°F]	Holding time [hh:mm:ss]	Vacuum on [°F]	Vacuum off [°F]	Longterm cooling [°F]	Cool down gradient [°F]	[°F]	[hh:mm:ss]	IRT mode	
groups of material		P.Nr.		212	00:18	50	212	00:00:00	32	32	32	32	32	00:00	-	
				1292	30:00	284	2192	01:00:00	2192	2194	2192	122	1292	01:00:00	-	
IPS e.max CAD Staining Tech.	181	Crystallization LT/MT/HT	m.V.	757	06:00	162 / 54	1526 / 1562	00:10 / 07:00	1022 / 1526	1526 / 1562	1310	off	off	00:00	Crystallization mode	
	182	Stain firing e.max Ceram	m.V.	757	06:00	108	1418	01:30	842	1416	off	off	off	00:00	Standard mode	
	183	Stain firing Ivocolor	m.V.	757	06:00	108	1310	01:00	842	1308	off	off	off	00:00	Standard mode	
	184	Glaze firing e.max Ceram	m.V.	757	06:00	108	1418	01:30	842	1416	off	off	off	00:00	Standard mode	
	185	Glaze firing Ivocolor	m.V.	757	06:00	108	1310	01:00	842	1308	off	off	off	00:00	Standard mode	
	186	Add-On after Glaze firing	m.V.	757	06:00	90	1292	01:00	842	1290	off	off	off	00:00	Standard mode	
	187	Crystallization MO/imp./LT/MT/HT	m.V.	757	06:00	108 / 54	1436 / 1580	00:10 / 10:00	1022 / 1436	1436 / 1580	1310	off	off	off	00:00	Crystallization mode
	201	Crystallization MO/imp./LT/MT/HT	m.V.	757	06:00	108 / 54	1436 / 1580	00:10 / 10:00	1022 / 1436	1436 / 1580	1310	off	off	off	00:00	Crystallization mode
IPS e.max CAD Layering Tech.	202	Crystallization LT/MT/HT	m.V.	757	06:00	162 / 54	1526 / 1562	00:10 / 07:00	1022 / 1526	1526 / 1562	1310	off	off	off	00:00	Crystallization mode
	203	Wash firing (foundation)	m.V.	757	04:00	162 / 36	1202 / 1346	00:00 / 02:00	752 / 1202	1202 / 1344	off	off	off	00:00	Standard mode	
	204	Wash firing characterization	m.V.	757	04:00	162 / 36	1202 / 1346	00:00 / 02:00	752 / 1202	1202 / 1344	off	off	off	00:00	Standard mode	
	205	1st/2nd Dentin/Incisal firing	m.V.	757	04:00	162 / 36	1202 / 1346	00:00 / 02:00	752 / 1202	1202 / 1344	off	off	off	00:00	Standard mode	
	206	Stain firing e.max Ceram	m.V.	757	06:00	108	1337	01:00	842	1335	off	off	off	00:00	Standard mode	
	207	Stain firing Ivocolor	m.V.	757	06:00	108	1310	01:00	842	1308	off	off	off	00:00	Standard mode	
	208	Glaze firing e.max Ceram	m.V.	757	06:00	108	1337	01:00	842	1335	off	off	off	00:00	Standard mode	
	209	Glaze firing Ivocolor	m.V.	757	06:00	108	1310	01:00	842	1308	off	off	off	00:00	Standard mode	
	210	Add-On + Glaze firing e.max Ceram	m.V.	757	06:00	108	1337	01:00	842	1335	off	off	off	00:00	Standard mode	
	211	Add-On with Glaze firing Ivocolor	m.V.	757	06:00	108	1310	01:00	842	1308	off	off	off	00:00	Standard mode	
	212	Add-On after Glaze firing	m.V.	757	06:00	90	1292	01:00	842	1290	off	off	off	00:00	Standard mode	
	IPS InLine PoM	221	1st / 2nd powder opaquer firing	m.V.	757	04:00	180	1760	02:00	842	1758	off	off	off	00:00	Standard mode
		222	1st / 2nd paste opaquer firing	m.V.	757	06:00	180	1706	02:00	842	1704	off	off	off	00:00	Standard mode
		223	Touch Up firing	m.V.	757	04:00	108	1544	01:00	842	1542	off	off	off	00:00	Standard mode
224		Stain firing Ivocolor	m.V.	757	06:00	108	1310	01:00	842	1308	off	off	off	00:00	Standard mode	
225		Stains firing InLine	m.V.	757	06:00	108	1472	01:00	842	1470	off	off	off	00:00	Standard mode	
226		Glaze firing Ivocolor	m.V.	757	06:00	108	1310	01:00	842	1308	off	off	off	00:00	Standard mode	
227		Glaze firing InLine	m.V.	757	06:00	108	1472	02:00	842	1470	off	off	off	00:00	Standard mode	
228		Add-On after Glaze firing 690°C	m.V.	757	04:00	108	1274	01:00	842	1272	off	off	off	00:00	Standard mode	
IPS InLine One		241	1st / 2nd powder opaquer firing	m.V.	757	04:00	180	1760	02:00	842	1758	off	off	off	00:00	Standard mode
		242	1st / 2nd paste opaquer firing	m.V.	757	06:00	180	1706	02:00	842	1704	off	off	off	00:00	Standard mode
	243	1st Dentical firing	m.V.	757	04:00	108	1670	01:00	842	1668	off	off	off	00:00	Standard mode	
	244	2nd Dentical firing	m.V.	757	04:00	108	1652	01:00	842	1650	off	off	off	00:00	Standard mode	
	245	Stain firing Ivocolor	m.V.	757	06:00	108	1526	01:00	842	1524	off	off	off	00:00	Standard mode	
	246	Stain firing InLine	m.V.	757	06:00	108	1562	01:00	842	1560	off	off	off	00:00	Standard mode	
	247	Glaze firing Ivocolor	m.V.	757	06:00	108	1526	01:00	842	1524	off	off	off	00:00	Standard mode	
	248	Glaze firing InLine	m.V.	757	06:00	108	1562	02:00	842	1560	off	off	off	00:00	Standard mode	
	249	Add-On after Glaze firing 690°C	m.V.	757	04:00	108	1274	01:00	842	1272	off	off	off	00:00	Standard mode	
	IPS d.SIGN	261	1st Wash Opaquer firing	m.V.	757	06:00	144	1652	01:00	842	1650	off	off	off	00:00	Standard mode
262		2nd Opaquer firing	m.V.	757	06:00	144	1634	01:00	842	1632	off	off	off	00:00	Standard mode	
263		1st / 2nd Margin firing	m.V.	757	06:00	108	1634	01:00	842	1632	off	off	off	00:00	Standard mode	
264		1st / 2nd Dentin / Incisal firing	m.V.	757	07:00	108	1598	01:00	842	1596	off	off	off	00:00	Standard mode	
265		Stain firing Ivocolor	m.V.	757	06:00	108	1472	01:00	842	1524	off	off	off	00:00	Standard mode	
266		Stain firing d.SIGN	m.V.	757	04:00	108	1526	01:00	842	1524	off	off	off	00:00	Standard mode	
267		Glaze firing Ivocolor	m.V.	757	06:00	108	1472	01:00	842	1470	off	off	off	00:00	Standard mode	
268		Glaze firing d.SIGN	m.V.	757	04:00	108	1526	01:00	842	1524	off	off	off	00:00	Standard mode	
269		Glaze firing w.o. Glaze	m.V.	757	04:00	108	1598	01:00	842	1596	off	off	off	00:00	Standard mode	
270		Margin Add-On firing	m.V.	757	04:00	108	1526	01:00	842	1524	off	off	off	00:00	Standard mode	
271		Add-On Mix 1:1 firing	m.V.	757	04:00	108	1490	01:00	842	1488	off	off	off	00:00	Standard mode	
272		Add-On firing	m.V.	757	04:00	108	1382	01:00	842	1380	off	off	off	00:00	Standard mode	
IPS e.max ZirCAD Layering Tech.	281	ZirLiner firing	m.V.	757	04:00	72	1760	01:00	842	1758	off	off	off	00:00	Standard mode	
	282	1st/2nd Margin firing	m.V.	757	04:00	72	1472	01:00	842	1470	off	off	off	00:00	Standard mode	
	283	Wash firing characterization	m.V.	757	04:00	162 / 36	1202 / 1346	00:00 / 02:00	752 / 1202	1202 / 1344	off	off	off	00:00	Standard mode	
	284	1st/2nd Dentin/Incisal firing	m.V.	757	04:00	162 / 36	1202 / 1346	00:00 / 02:00	752 / 1202	1202 / 1344	off	off	off	00:00	Standard mode	
	285	Stain firing e.max Ceram	m.V.	757	06:00	108	1337	01:00	842	1335	842	off	off	off	00:00	Standard mode
	286	Stain firing Ivocolor	m.V.	757	06:00	108	1310	01:00	842	1308	842	off	off	off	00:00	Standard mode
	287	Glaze firing e.max Ceram	m.V.	757	06:00	108	1337	01:00	842	1335	842	off	off	off	00:00	Standard mode
	288	Glaze firing Ivocolor	m.V.	757	06:00	108	1310	01:00	842	1308	842	off	off	off	00:00	Standard mode
	289	Add-On + Glaze firing e.max Ceram	m.V.	757	06:00	108	1337	01:00	842	1335	842	off	off	off	00:00	Standard mode
	290	Add-On with Glaze firing Ivocolor	m.V.	757	06:00	108	1310	01:00	842	1308	842	off	off	off	00:00	Standard mode
291	Add-On after Glaze firing	m.V.	757	06:00	90	1292	01:00	842	1290	842	off	off	off	00:00	Standard mode	
292	Regeneration firing	o.V.	757	00:18	117	1922	15:00	off	off	1382	45	off	off	00:00	off	

Information about the individual programs can be found in Chapter 5.3 of the respective Instructions for Use.

Program nos. 161, 162, 163, 164, 165, 181, 201, 202: These programs were exclusively developed for the new Programat furnaces and are not compatible with furnaces of previous generations. Parameters marked with (\*) are only available in furnaces with the Programat Infrared Technology

m.V. = with Vacuum  
o.V. = without Vacuum

Version: 9;  
Date information prepared:  
2017-03

Valid as of Software  
V5.0 for P310, P510  
V3.0 for P710  
V4.0 for EP 3010, EP 5010