

# Paragon Cone-Fire Expected Firing Times

Knowing how long it takes to fire to a given cone at a given speed will help you schedule your firings and alert you to firing problems. Several reasons a firing may take longer than the listed firing times:

## 1 Worn heating elements

When firing times gradually lengthen, the reason is usually worn elements. Replace when firing times become excessive.

## 2 Voltage drop or incorrect voltage

Low voltage, such as during the summer when air conditioners are running, can double the firing time. Firing a 240 volt kiln on a 208 volt outlet is another cause of slow firing. Be sure about voltage before ordering

a kiln. The receptacles for 208 and 240 volt outlets look the same.

## 3 Moist greenware

Fire only bone-dry greenware. Moisture in greenware lengthens firing times, wastes electricity, and can also cause the ware to explode inside your kiln.

## 4 A heavily loaded kiln

If a kiln is loaded heavily, the firing time may increase because the elements can't keep up with the programmed heating rate.

Place self-supporting cones on a shelf near a peephole. If the firing is taking too long, look into the peephole to check the cone. The

cone will indicate whether the kiln is overfiring.

The DTC 1000 firing times do not include the slow cooling segment at the end of slow fire, or pre-heat.

 **Paragon Industries, Inc.**

2011 South Town East Blvd.  
Mesquite, Texas 75149-1122  
800-876-4328 / 972-288-7557  
Toll Free Fax 888-222-6450  
Fax 972-222-0646

www.paragonweb.com  
Paragonind@worldnet.att.net  
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## DTC 600 & DTC 800

Cone	Slow		Medium		Fast	
	Hrs.	Min.	Hrs.	Min.	Hrs.	Min.
022	7	20	5	06	2	35
021	7	10	5	10	2	37
020	7	25	5	16	2	42
019	7	54	5	29	2	51
018	8	17	5	40	2	59
017	8	31	5	46	3	03
016	8	50	5	54	3	09
015	9	04	6	01	3	13
014	9	15	6	06	3	17
013	9	34	6	14	3	23
012	9	32	6	19	3	26
011	9	43	6	24	3	29
010	9	51	6	28	3	32
09	10	08	6	35	3	37
08	10	26	6	43	3	43
07	10	42	6	51	3	48
06	10	53	6	56	3	52
05	11	17	7	06	3	59
04	11	35	7	14	4	05
03	11	51	7	21	4	10
02	12	00	7	25	4	13
01	12	09	7	30	4	16
1	12	21	7	35	4	19
2	12	24	7	36	4	20
3	12	30	7	39	4	22
4	12	41	7	44	4	26
5	12	49	7	47	4	28
6	13	00	7	53	4	32
7	13	10	7	57	4	35
8	13	25	8	04	4	40
9	13	34	8	08	4	42
10	13	48	8	14	4	47

## DTC 1000

Cone	Slow		Medium		Fast	
	Hrs.	Min.	Hrs.	Min.	Hrs.	Min.
022	6	56	5	06	2	35
021	7	03	5	10	2	37
020	7	15	5	17	2	42
019	7	40	5	31	2	52
018	7	58	5	41	2	59
017	8	47	5	47	3	03
016	9	03	5	56	3	10
015	9	12	6	01	3	14
014	9	20	6	05	3	17
013	9	34	6	14	3	22
012	9	46	6	20	3	27
011	9	53	6	24	3	29
010	10	06	6	31	3	35
09	10	14	6	36	3	38
08	10	25	6	42	3	42
07	10	41	6	51	3	49
06	10	51	6	57	3	53
05	11	07	7	06	3	59
04	11	23	7	14	4	05
03	11	34	7	21	4	09
02	11	42	7	25	4	12
01	11	50	7	30	4	16
1	11	58	7	35	4	19
2	12	01	7	36	4	20
3	12	06	7	39	4	22
4	12	10	7	41	4	24
5	12	22	7	48	4	28
6	12	39	7	58	4	35
7	12	47	8	02	4	38
8	12	52	8	05	4	40
9	12	57	8	08	4	42
10	13	09	8	14	4	47