

Firing Temperatures & Cone Equivalents

Showing various clays and glazes

Cone	Degrees		Cone
	F	C	
10	2381	1305	10
9	2336	1280	9
8	2305	1263	8
7	2264	1240	7
6	2232	1222	6
5	2185	1196	5
4	2157	1186	4
3	2134	1168	3
2	2124	1162	2
1	2109	1154	1
01	2079	1137	01
02	2048	1120	02
03	2014	1101	03
04	1940	1060	04
05	1915	1046	05
06	1830	999	06
07	1803	984	07
08	1751	956	08
09	1693	923	09
010	1641	894	010
011	1641	894	011
012	1623	884	012
013	1566	852	013
014	1540	838	014
015	1479	804	015
016	1458	792	016
017	1377	747	017
018	1323	717	018
019	1261	683	019
020	1175	635	020
021	1137	614	021
022	1112	600	022



Cone 10
Oxidation takes place in the Electric Kiln
Reduction takes place in the Gas Kiln


Engobes mature from cone 4 to 10

Mid-range glazes mature (cone 4-6)
Max. temp. for most Amaco and other commercial underglazes

Wear protective eyewear above 2000° F

Duncan low fire clear and other low fire commercial glazes. (Read the label)

Best results for most low fire red and orange glazes at this cone or lower.

It is MOST important that you differentiate between cone 06-04 and cone 4-6. Note: the word cone is often replaced with this symbol 

Overglaze enamels. Lusters (metallics and irridescent)

Mid-range stoneware & porcelain clays mature (Vashon Clays, Crystal White, Dove, Alpine White, etc. and "A" body clay with underglaze)

From this point up low fire clays will start to melt, damaging shelves and other pots

Ceramic bisque range at BCC**

Low fire clays mature (Terra Cotta, Low Fire White & Earthenware)

Normal or soft bisque for high firing stoneware, porcelains & mid-range clay bodies

Burnished low fire clay bisque (for sawdust firing)

- ** 1. Normal or soft stoneware/porcelain bisque can be fired from cone 08 to 04.
2. Low fire white & terra cotta is generally bisque fired at cone 02 to 1.
3. "A" Body clay with underglaze can be bisque fired at cone 4 to 6 & then have a low fire glaze firing at cone 06 to 04.
4. Raku clay is usually bisque fired to cone 04 to 1
5. Clays that are to have crystalline glazes should be bisque fired slightly higher than normal (i.e. high fire porcelain or stoneware - cone 02 to 1)

All cones mature with time and temperature

All temperature equivalents on this chart are based on a 270° F (150° C) per hour rate climb using the large cone. Rates of climb change per firing as do temperature equivalents.