



Ceramic Clays

CERAMICA COLLET S.A.

Since 1874

2024



CERAMICA COLLET S.A. 1874-2024

Always in your hands

Since 1874. We are a manufacturer of ceramic clays for industry, pottery and artistic ceramics, and natural modelling clays for crafts, fine arts and education.

Our target is to innovate, developing products with natural clays that, in their multiple applications, meet the needs of the most demanding users. In each of our products we use experience and passion, taking care of every detail from the conception of the product to the final manufacturing process.

The Quality System, certified according to ISO 9001:2015, is our framework for continuous improvement, and Social Responsibility and respect and care for the Environment are fundamental points in the philosophy of our firm.

COLLET CLAYS Corp. is an affiliated company to CERAMICA COLLET S.A.



Preparation of clay in settling ponds in L'Hospitalet factory, early 20th century



Headquarters, factory and warehouse of SIO-2 in Esparreguera (Barcelona)



Cover image: Calixto Collet Ferrer at the wheel. This iconic image was used as the cover of the SIO-2 ceramic clays catalog in the 90s.

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(*) The full program of SIO-2 ceramic clays is featured in the general catalogue of Ceramica Collet SA, which is available upon request, and on the website www.sio-2.com.

The specified data in this catalogue is only an indication, stemming from the analysis of the characterization of representative samples, and from routine production averages. Product characteristics are subject to modifications.



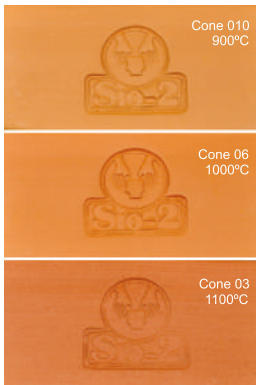
Low Fire Clays



PA @danielLceramics

PF

Red Earthenware Clay | Cone 06-04



Traditional red earthenware clay. It is a high quality and polyvalent clay, very popular for its fineness and excellent plasticity. Its coefficients of thermal expansion are ideal for standard pottery glazes, in both single and twice firing processes. Incredible results in reducing atmosphere can be obtained (metallic reflection technique). Available in extruded body (moist form), being suitable for wheel-throwing, shaping and modeling.

Firing range	Cone 06-04
Water content	22%
Plasticity (IP Atterberg)	17
Carbonate content (CaCO ₃)	10%
Drying shrinkage	5.5%
Firing shrinkage at Cone 06	0.6%
Porosity (water absorption) at Cone 06	13.5%
Dry bending strength	6.6 N/mm ²
Fired bending strength at Cone 06	27.9 N/mm ²
Thermal coefficient Cone 06 (α25-500°C)	77.7×10 ⁻⁷ °C ⁻¹

Item Number	10 100 201
UPC	8422830101016
Supply	Film-wrapped pack + carton box
Packing weight	27.6 lb (12.5 kg)



PF Prado Morales Gómez - My Escape Pottery



Maryvonne et Jean-Pierre Baillieux

Atelier "A la fortune du pot",
Saint Paul et Valmalle, France

« La SIO-2... j'adore
J'en mange tous les jours!*

J'ai "Des Cousins" en or...
Et quand j' suis à court...
A Aubagne aux Paluds,
j'm'en gave. "on n'peut plus"
(*et ça rend pas triste...) »

« SIO-2... I love it
I eat it every day!*

I have "Les Cousins" in gold...
And when I've run out of it...
In Aubagne at Les Paluds,
I stuff myself, "I can no more"
(*and it make me happy) »

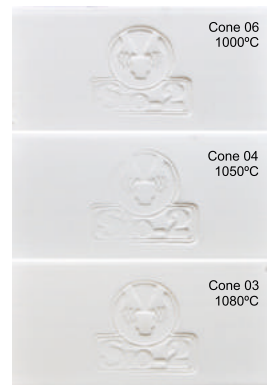
White Earthenware Clay | Cone 05-03

White earthenware clay especially formulated for wheel-throwing and modeling. It is a high quality and polyvalent clay, very popular for its fineness and plasticity. Its balanced calcium carbonate content confers higher stability than traditional white earthenware clays. Its coefficients of thermal expansion are ideal for standard pottery glazes, in both single and twice firing processes. Available in extruded body (moist form), being suitable for wheel-throwing, shaping and modeling.

Firing range (biscuit)	Cone 05-03
Water content	20%
Plasticity (IP Atterberg)	15
Carbonate content (CaCO ₃)	17%
Drying shrinkage	6.2%
Firing shrinkage at Cone 04	-0.2%
Porosity (water absorption) at Cone 04	12.6%
Dry bending strength	5.1 N/mm ²
Fired bending strength at Cone 04	27.8 N/mm ²
Thermal coefficient Cone 04 ($\alpha_{25-500^{\circ}\text{C}}$)	$74.5 \times 10^{-7} \text{C}^{-1}$

Item Number	10 400 201
UPC	8422830104017
Supply	Film-wrapped pack + carton box
Packing weight	27.6 lb (12.5 kg)

PA



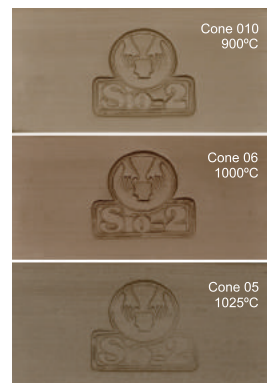
Black Earthenware Clay | Cone 06-05

Black earthenware clay. Its black color in oxidizing atmosphere is a highlight in the range of low firing colors. Its fineness and plasticity make it an excellent choice for throwing and modelling. Very good behavior with standard pottery glazes. Available in extruded body (moist form), being suitable for wheel-throwing, shaping and modeling.

Firing range	Cone 06-05
Water content	21%
Plasticity (IP Atterberg)	15
Carbonate content (CaCO ₃)	8%
Drying shrinkage	5.4%
Firing shrinkage at Cone 06	0.9%
Porosity (water absorption) at Cone 06	15.8%
Dry bending strength	5.3 N/mm ²
Fired bending strength at Cone 06	28.9 N/mm ²
Thermal coefficient Cone 06 ($\alpha_{25-500^{\circ}\text{C}}$)	$81.7 \times 10^{-7} \text{C}^{-1}$

Item Number	10 800 201
UPC	8422830108015
Supply	Film-wrapped pack + carton box
Packing weight	27.6 lb (12.5 kg)

PM



Vicente Rivera

Ceramista, Vuelasola y Hombrepuz, Barcelona

"Hace más de 15 años que conocí las pastas cerámicas SIO-2 y las uso desde entonces. Principalmente, utilizo, al torno, las pastas de baja temperatura PA, PF y PM. Éstas, me ofrecen buena plasticidad y diferentes colores. Para el trabajo con alumnos o cuando las uso para hacer planchas, elijo las referencias con chamota PA/CHF ya que me ofrecen más seguridad y resistencia, sin riesgo de roturas. También uso PA como base para hacer algunos engobes de colores".

I have known about SIO-2 ceramic clays for 15 years and I continue to use it now. I use, mostly, low fire ceramic clay, as PA, PR or PM, which offers me a good plasticity and different colours. To work with students or make even surfaces, I choose grogged references, like PA/CHF, which offers more security and resistance, without risk of cracks. I also use PA as a base for making underglaze colours.



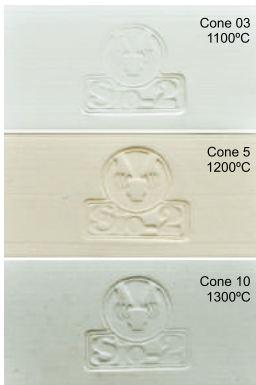
High Fire Clays



PRAF @studiomany moons

PRAI

White Stoneware Clay with Impalpable Grog | Cone 6-10



White stoneware clay with 40% impalpable grog (up to 80 Mesh). Formulated for artistic ceramics, it is ideal for wheel-throwing and modeling smooth pieces with fine details. The high content of grog confers an excellent behavior during drying and firing. Its particular ivory color after firing is much appreciated and provides an excellent ware for glazes and coloring oxides, which develop bright and intense tones. Suitable for tableware (food-safe) according to ISO 6486. Available in extruded body (moist form).

Firing range	Cone 6-10
Biscuit	Cone 06
Water content	19%
Plasticity (IP Atterberg)	16
Carbonate content (CaCO ₃)	0%
Drying shrinkage	5.9%
Firing shrinkage at Cone 10	7.0%
Porosity (water absorption) at Cone 10	0.0%
Dry bending strength	3.0 N/mm ²
Fired bending strength at Cone 10	51.0 N/mm ²
Thermal coefficient Cone 7 (α25-500°C)	60.4×10 ⁻⁷ °C ⁻¹

Item Number	13 310 201
UPC	8422830133031
Supply	Film-wrapped pack + carton box
Packing weight	27.6 lb (12.5 kg)



PRAI Miguel Molet 'Anatomías de la Forma'



Carl Mankert

Artist and Teacher,
based in Chicago (IL), USA

"The SIO-2 line of clays are a pleasure to work with. High quality and reliability are important properties to me and SIO-2 is a great partner and friend in the studio. Much of my work is functional and designed for the kitchen. PRAI stoneware offers great strength and durability for objects such as mugs, plates and bowls that get everyday use. The PRAI clay has a bright color that takes my glaze and decoration very well".

Es un placer trabajar con la línea SIO-2 de pastas cerámicas. La alta calidad y la fiabilidad son propiedades importantes para mí y SIO-2 es un gran compañero y amigo en el estudio. Gran parte de mi trabajo es funcional y diseñado para la cocina. El gres PRAI ofrece una gran resistencia y durabilidad para objetos como tazas, platos y cuencos que se usan a diario. La pasta PRAI tiene un color brillante que funciona muy bien con mis esmaltes y decoración.

White Sculpture/Raku Clay with Fine Grog | Cone 6-10

White sculpture and Raku clay with 40% fine grog (up to 35 Mesh). Formulated for artistic ceramics, it is ideal for sculpture, murals and Raku pieces. The high content of grog confers a beautiful textured surface and an excellent behavior during drying and firing. Its particular ivory color after firing is much appreciated and provides an excellent ware for glazes and coloring oxides, which develop bright and intense tones. It is also known as "Rafael" clay, and it is very popular because of its excellent behavior for Raku. Available in extruded body (moist form).

Firing range	Cone 6-10
Biscuit	Cone 06
Water content	17%
Plasticity (IP Atterberg)16
Carbonate content (CaCO ₃)	0%
Drying shrinkage	5.4%
Firing shrinkage at Cone 10	4.6%
Porosity (water absorption) at Cone 10	4.1%
Dry bending strength	2.4 N/mm ²
Fired bending strength at Cone 10	33.5 N/mm ²
Thermal coefficient Cone 7 (α25-500°C)	59.8×10 ⁻⁷ °C ⁻¹
Item Number	13 320 201
UPC	8422830133017
Supply	Film-wrapped pack + carton box
Packing weight	27.6 lb (12.5 kg)

PRAF



PRAF Sophie Aguilera 'Accidente Doméstico #1'

Sophie Aguilera Artist

"Recomiendo a cualquier profesional de la cerámica el uso de las pastas SIO-2 por los siguientes motivos: su amplia gama, su versatilidad y la alta calidad de sus productos. Mi barro de referencia es el PRAF ya que me permite realizar sin ninguna dificultad piezas de gran formato. Destacaría su excelente plasticidad, su precisión en el modelado y su buen comportamiento durante secado y horneado".

I recommend to every professional in ceramics to use SIO-2 ceramic clays for these reasons: its wide range, its versatility and its high-quality products. My clay reference is PRAF because it allows me to make, without difficulties, big format pieces. I want to highlight its excellent plasticity, its modeling precision and its good performance during drying and firing.

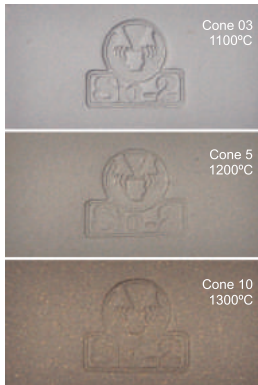


PRAI Donn Zver (Wood firing)



Berlin

Gray Stoneware Clay with Impalpable Grog | Cone 5-10



Gray stoneware clay with 40% impalpable grog (up to 80 Mesh). Formulated for artistic and decorative ceramics, it is ideal for wheel-throwing and modeling smooth pieces with fine details. The high content of grog confers an excellent behavior during drying and firing. Depending on the firing temperature, it develops an interesting range of grays, from cement to dark gray, which satisfies the most avant-garde trends in artistic ceramics. Suitable for tableware (food-safe), according to ISO 6486. Available in extruded body (moist form).

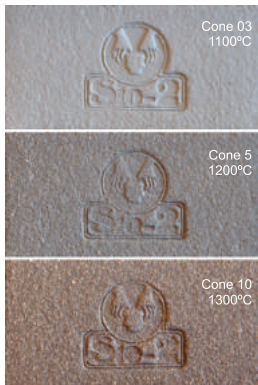
Firing range	Cone 5-10
Biscuit temperature	Cone 06
Water content	19%
Plasticity (IP Atterberg)	16
Carbonate content (CaCO ₃)	0%
Drying shrinkage	5.7%
Firing shrinkage at Cone 10	6.4%
Porosity (water absorption) at Cone 10	0.1%
Dry bending strength	2.9 N/mm ²
Fired bending strength at Cone 10	53.2 N/mm ²
Thermal coefficient Cone 7 (α25-500°C)	60.1×10 ⁻⁷ °C ⁻¹

Item Number	14 510 201
UPC	8422830145034
Supply	Film-wrapped pack + carton box
Packing weight	27.6 lb (12.5 kg)



Zumaia

Gray Sculpture Clay with Fine Grog | Cone 5-10



Gray sculpture clay with 40% fine grog (up to 35 Mesh). Formulated for artistic and decorative ceramics, it is ideal for sculpture and pieces for outdoors (garden pots, tiles, etc.). The high content of grog confers a beautiful textured surface and an excellent behavior during drying and firing. Depending on the firing temperature, it develops an interesting range of grays, from cement to dark gray, which satisfies the most avant-garde trends in artistic and decorative ceramics. Available in extruded body (moist form).

Firing range	Cone 5-10
Biscuit	Cone 06
Water content	17%
Plasticity (IP Atterberg)	16
Carbonate content (CaCO ₃)	0%
Drying shrinkage	5.3%
Firing shrinkage at Cone 10	4.3%
Porosity (water absorption) at Cone 10	4.5%
Dry bending strength	2.8 N/mm ²
Fired bending strength at Cone 10	37.8 N/mm ²
Thermal coefficient Cone 7 (α25-500°C)	61.6×10 ⁻⁷ °C ⁻¹

Item Number	14 520 201
UPC	8422830145010
Supply	Film-wrapped pack + carton box
Packing weight	27.6 lb (12.5 kg)



Agustina Garrigou

Ceramist of Barcelona

“Desde que utilizo las pastas de SIO-2, he pasado a experimentar más con los otros aspectos de la cerámica, como son los esmaltes y las formas. Esto se debe a que las pastas son tan buenas y consistentes que no me tengo que preocupar por que surjan defectos a causa de las mismas. Son fáciles de torneare, de modelar, soportan peso y no se agrietan con el cuidado pertinente. He tenido la suerte de probar la nueva pasta Berlín para corroborar que nuevamente ofrecen una pasta de alta calidad y con un color muy especial. No veo la hora de emplearla en mis nuevas piezas”.

Since I have been using SIO-2 clays, I have experimented more with the other aspects of ceramics, such as glazes and shapes. This is because clays are so good and consistent that I don't have to worry about defects arising from them. They are easy to throw, shape, bear weight, and will not crack with proper care. I have been lucky enough to try Berlin clay to confirm that, once again, it is offered a high-quality clay with a very special color. I can't wait to use it in my next works.

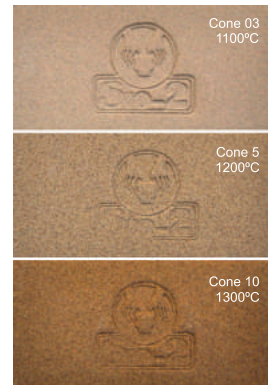
Photo Credit: Sylvain Deleu

Caramel Stoneware Clay with impalpable Grog | Cone 5-10

Caramel stoneware clay with 40% impalpable grog 0-0.2 mm (up to 80 Mesh). Formulated for artistic ceramics, it is ideal for throwing and modeling smooth pieces with fine details. The high content of grog confers an excellent behavior during drying and firing. Depending on the firing temperature, it develops a beautiful range of natural tones, from oatmeal beige to caramel brown, which create a warm base that is highly appreciated in ceramic decoration. Suitable for tableware (food-safe), according to ISO 6486. Available in extruded body (moist form).

Firing range	Cone 5-10
Biscuit temperature	Cone 06
Water content	19%
Plasticity (IP Atterberg)	13
Carbonate content (CaCO ₃)	0%
Drying shrinkage	6.2%
Firing shrinkage at Cone 10	5.6%
Porosity (water absorption) at Cone 10	0.1%
Dry bending strength	3.5 N/mm ²
Fired bending strength at Cone 10	50.8 N/mm ²
Thermal coefficient Cone 7 (α25-500°C)	67.6×10 ⁻⁷ °C ⁻¹
Item Number	14 610 201
UPC	8422830146017
Supply	Film-wrapped pack + carton box
Packing weight	27.6 lb (12.5 kg)

Toffee



TOFFEE Maria Maceira



Maria Maceira
Ceramist of Barcelona

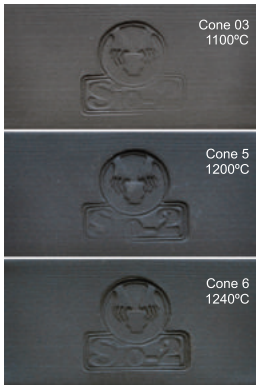
"Trabajo con pastas SIO-2 desde hace años por su gran calidad y óptimo comportamiento. Me encanta la variedad de colores y texturas de su amplia gama de productos, con predilección por las pastas Toffee, Barcino y PRNF. Me ha gustado mucho la tonalidad de la nueva pasta Toffee, el color café en crudo y el color tostado tras la cocción".

I have been working with SIO-2 clays for years due to its high quality and optimal behavior. I love the variety of colors and textures of its wide range of products, with a predilection for Toffee, Barcino and PRNF clay. I really liked the tonality of the new Toffee clay, the brown color in raw and the toasted color after cooking.



BERLIN Agustina Garrigou

PRNI



FOOD SAFE

Black Stoneware Clay with Impalpable Grog | Cone 5-6

Black stoneware clay with 40% impalpable grog (up to 80 Mesh). Formulated for artistic ceramics, it is ideal for wheel-throwing and modeling smooth pieces with fine details. The high content of grog confers an excellent behavior during drying and firing. Its beautiful and intense black firing color in oxidizing atmosphere is very exclusive of PRN range and becomes an ideal artistic mean of expression. In reducing atmosphere, metallic effects with shades of blue are obtained. Suitable for tableware (food-safe), according to ISO 6486. Available in extruded body (moist form).

Firing range	Cone 5-6
Biscuit	Cone 06
Water content	21%
Plasticity (IP Atterberg)	19
Carbonate content (CaCO ₃)	0%
Drying shrinkage	8.2%
Firing shrinkage at Cone 6	5.4%
Porosity (water absorption) at Cone 6	4.0%
Dry bending strength	5.9 N/mm ²
Fired bending strength at Cone 6	51.4 N/mm ²
Thermal coefficient Cone 6 (α25-500°C)	63.8×10 ⁻⁷ °C ⁻¹

Item Number	13 610 201
UPC	8422830136032
Supply	Film-wrapped pack + carton box
Packing weight	27.6 lb (12.5 kg)

PRNF



Black Sculpture Clay with Fine Grog | Cone 5-7

Black sculpture clay with 40% fine grog (up to 35 Mesh). Formulated for artistic ceramics, it is ideal for sculpture. The high content of grog confers a beautiful textured surface and an excellent behavior during drying and firing. Its beautiful and intense black firing color in oxidizing atmosphere is very exclusive of PRN range and becomes an ideal artistic mean of expression. In reducing atmosphere, metallic effects with shades of blue are obtained. Available in extruded body (moist form).

Firing range	Cone 5-7
Biscuit	Cone 06
Water content	21%
Plasticity (IP Atterberg)	19
Carbonate content (CaCO ₃)	0%
Drying shrinkage	8.1%
Firing shrinkage at Cone 7	3.7%
Porosity (water absorption) at Cone 7	8.8%
Dry bending strength	5.7 N/mm ²
Fired bending strength at Cone 7	29.5 N/mm ²
Thermal coefficient Cone 7 (α25-500°C)	50.8×10 ⁻⁷ °C ⁻¹

Item Number	13 620 201
UPC	8422830136018
Supply	Film-wrapped pack + carton box
Packing weight	27.6 lb (12.5 kg)



Petra Lindenbauer

Ceramic artist, Stadtschlaining, Austria

“Ich arbeite sehr gerne mit PRNI 4002 und PRNF 4005. Die Massen haben ihren eigenen Charakter, die beim Arbeiten auf der Scheibe besonders gut in Erscheinung treten. Bei frei geformten Objekten können sehr spezielle Strukturen und Oberflächen entstehen, die mit anderen Massen nur schwer zum Ausdruck kommen”.

I really enjoy working with PRNI and PRNF. These clays have their own character that is noticeable especially working at the wheel. In modeled objects, structures and very special surfaces that are very difficult to achieve with other clays can be created.



Sofia Beça
Ceramic artist, Porto,
Portugal

“Desde há muitos anos que optei por trabalhar as minhas obras com o grés chamotado da SIO-2, o negro (PRNM) e o branco (PRAM) são os meus materiais de eleição”.

For many years I have chosen SIO-2 grogged clays to make my work. The black (PRNM) and the white (PRAM) are my chosen materials.



PRNF Martha Rieger 'Applied Art Treasure Collection 2012'



PRNM - PRAM Sofia Beça 'From Heaven to Earth'



PRNI Toño Pérez



PRNI Petra Lindenbauer

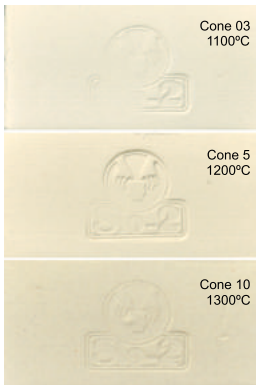


Specialty Clays and Porcelain



PCL I María Oriza "Flor Factal"

PCL I



Stoneware Paper Clay with Impalpable Grog | Cone 02-8

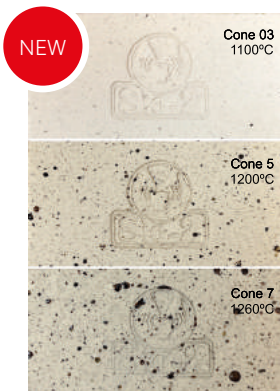
Stoneware paper clay with 30% impalpable grog (up to 80 Mesh). Formulated for artistic ceramics, it is unique for modeling, thanks to its exceptional plasticity. It is especially suitable for making impossible shapes with difficult drying. The presence of paper fibres inside avoid formation of cracks and problems of deformations, and leads PCL clay to surprising artistic possibilities. Odorless. Available in extruded body (moist form).

Firing range.....	Cone 02-8
Biscuit.....	Cone 06
Water content.....	24%
Plasticity (IP Atterberg).....	27
Carbonate content (CaCO ₃).....	0%
Drying shrinkage.....	6.7%
Firing shrinkage at Cone 5.....	5.8%
Porosity (water absorption) at Cone 5.....	5.6%
Dry bending strength.....	5.2 N/mm ²
Fired bending strength at Cone 5.....	39.5 N/mm ²
Thermal coefficient Cone 5 (α25-500°C).....	55.7×10 ⁻⁷ °C ⁻¹

Item Number.....	14 210 201
UPC.....	8422830142019
Supply.....	Film-wrapped pack + carton box
Packing weight.....	27.6 lb (12.5 kg)



Luna



Speckled Stoneware with Impalpable Grog | Cone 5-8

Speckled stoneware clay with impalpable grog 0-0.2 mm. Designed for artistic ceramics, it contains melting minerals that develop a seductive surface with dark spots of different sizes and shades that stand out in an ivory-white matrix. Its high grog content provides excellent behavior during drying and firing. Decoration with transparent glazes is ideal to enhance the vividness of the speckled effect. Available in extruded body (moist form).

Firing range.....	Cone 5-8
Biscuit.....	Cone 06
Water content.....	19%
Plasticity (IP Atterberg).....	14
Carbonate content (CaCO ₃).....	0%
Drying shrinkage.....	5.8%
Firing shrinkage at Cone 8.....	5.3%
Porosity (water absorption) at Cone 8.....	0.0%
Dry bending strength.....	2.7 N/mm ²
Fired bending strength at Cone 8.....	29.2 N/mm ²
Thermal coefficient Cone 6 (α25-500°C).....	61.1×10 ⁻⁷ °C ⁻¹

Item Number.....	14 910 201
UPC.....	8422830149018
Supply.....	Film-wrapped pack + carton box
Packing weight.....	27.6 lb (12.5 kg)



White Porcelain | Cone 6-8

Aneto is translucent white porcelain which stands out for its high plasticity, and makes it exceptional for wheel-throwing and modeling. Its formula is very stable and provides a secure firing range between Cone 6 and Cone 8. Suitable for tableware (food-safe) according to ISO 6486. Available in extruded body (moist form). Supplied in a 11 lb cylindrical film-wrapped pack into a carton box.

Firing range	Cone 6-8
Biscuit	Cone 06
Water content	22%
Plasticity (IP Atterberg)	11
Carbonate content (CaCO ₃)	0%
Drying shrinkage	5.8%
Firing shrinkage at Cone 7	11.2%
Porosity (water absorption) at Cone 7	0.0%
Dry bending strength	3.1 N/mm ²
Fired bending strength at Cone 7	51.5 N/mm ²
Thermal coefficient Cone 7 (α25-500°C)	63.7×10 ⁻⁷ °C ⁻¹
Item Number	16 000 201
UPC	8422830160013
Supply	Film-wrapped pack + carton box
Packing weight	11 lb (5 kg)

Aneto





Corrie Bain

Ceramic artist, born in Scotland, brought up in Greece and based in Barcelona

"I've worked with SIO-2 clays for about 8 years, and feel the company has put a lot of effort and research into producing high-standard, reliable clays for an international market. The first clays I used were the white (PRAI), brown (PRGI) and black (PRNI) stonewares, which I found to be very versatile, good quality clays for my throwing, handbuilding and sculptural work. I now mostly work with Aneto, Black Ice, and Upsala (blue) porcelains because of the range of colors and forms I can produce with them".



ANETO Corrie Bain | Photo credit: Sylvain Deleu

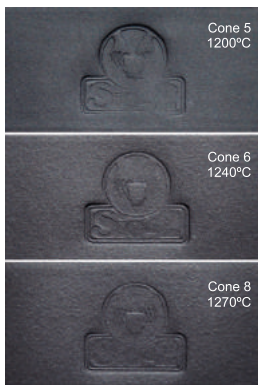


LUNA Maria Maceira



UPSALA Corrie Bain 'Blue Cycas Llamellae'

Black Ice Black Porcelain | Cone 6-7



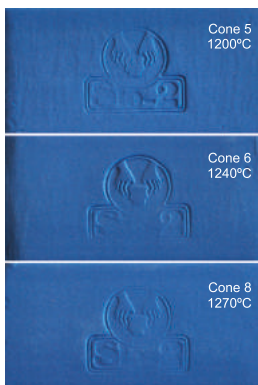
Black Ice is a black porcelain noted for its beautiful black graphite fired color. It has high plasticity, which makes it ideal for wheel-throwing and modeling. Its formula is very stable and provides a secure firing range between Cone 6 and Cone 7 (oxidizing atmosphere). Suitable for tableware (food-safe), according to ISO 6486. Available in extruded body (moist form). Supplied in a 11 lb cylindrical film-wrapped pack into a carton box.

Firing range	Cone 6-7
Biscuit	Cone 06
Water content	22%
Plasticity (IP Atterberg)	11
Carbonate content (CaCO ₃)	0%
Drying shrinkage	5.7%
Firing shrinkage at Cone 6	10.3%
Porosity (water absorption) at Cone 6	0.0%
Dry bending strength	3.1 N/mm ²
Fired bending strength at Cone 6	40.1 N/mm ²
Thermal coefficient Cone 6 (α25-500°C)	62.5×10 ⁻⁷ °C ⁻¹

Item Number	16 100 201
UPC	8422830161010
Supply	Film-wrapped pack + carton box
Packing weight	11 lb (5 kg)



Upsala Blue Porcelain | Cone 6-7



Upsala is a unique blue porcelain noted for its beautiful cobalt blue. It has high plasticity, which makes it ideal for wheel-throwing and modeling. Its formula is very stable and provides a secure firing range between Cone 6 and Cone 7 (oxidizing atmosphere). Suitable for tableware (food-safe) according to ISO 6486. Available in extruded body (moist form). Supplied in a 11 lb cylindrical film-wrapped pack into a carton box.

Firing range	Cone 6-7
Biscuit	Cone 06
Water content	22%
Plasticity (IP Atterberg)	11
Carbonate content (CaCO ₃)	0%
Drying shrinkage	6.0%
Firing shrinkage at Cone 6	10.4%
Porosity (water absorption) at Cone 6	0.0%
Dry bending strength	3.3 N/mm ²
Fired bending strength at Cone 6	47.2 N/mm ²
Thermal coefficient Cone 6 (α25-500°C)	64.2×10 ⁻⁷ °C ⁻¹

Item Number	16 200 201
UPC	8422830162017
Supply	Film-wrapped pack + carton box
Packing weight	11 lb (5 kg)



Lagoon Turquoise Blue Porcelain | Cone 6-7



LAGOON is a porcelain that stands out for its beautiful and stimulating range of turquoise blues in its firing range. It has high plasticity, which makes it ideal for wheel-throwing and modelling. Its formula is very stable and provides a secure firing range between cone 6 and cone 7 (oxidizing atmosphere). Suitable for tableware (food-safe) according to ISO 6486. Available in extruded body (moist form). Supplied in a 11 lb cylindrical film-wrapped pack into a carton box.

Firing range	Cone 6-7
Biscuit	Cone 06
Water content	23%
Plasticity (IP Atterberg)	11
Carbonate content (CaCO ₃)	0%
Drying shrinkage	5.6%
Firing shrinkage at Cone 6	10.6%
Porosity (water absorption) at Cone 6	0.0%
Dry bending strength	2.2 N/mm ²
Fired bending strength at Cone 6	46.3 N/mm ²
Thermal coefficient Cone 6 (α25-500°C)	64.9×10 ⁻⁷ °C ⁻¹

Item Number	16 700 201
UPC	8422830167012
Supply	Film-wrapped pack + carton box
Packing weight	11 lb (5kg)

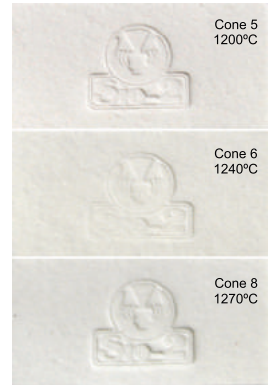


Cellulain™

Porcelain Paper Clay | Cone 6-8

Cellulain is a translucent white porcelain paper clay which stands out for its high plasticity, what makes it exceptional for modeling. It is especially designed for creating impossible shapes with porcelain. The presence of paper fibers inside avoid formation of cracks and deformation problems. Its formula is very stable and provides a secure firing range between Cone 6 and Cone 8. Suitable for tableware (food-safe) according to ISO 6486. Available in extruded body (moist form). Supplied in a 11 lb cylindrical film-wrapped pack into a carton box.

Firing range	Cone 6-8
Biscuit	Cone 06
Water content	27%
Plasticity (IP Atterberg)11
Carbonate content (CaCO ₃)	0%
Drying shrinkage	5.1%
Firing shrinkage at Cone 7	11.4%
Porosity (water absorption) at Cone 7	2.8%
Dry bending strength	4.5 N/mm ²
Fired bending strength at Cone 7	21.0 N/mm ²
Thermal coefficient Cone 7 (α25-500°C)	64.1×10 ⁻⁷ °C ⁻¹
Item Number	16 300 201
UPC	8422830163014
Supply	Film-wrapped pack + carton box
Packing weight	11 lb (5 kg)



Núria Soley

Ceramist

For years now, I have been dedicated to ceramic jewelry. This means that my work is based on small format pieces. At SIO-2 I have found a wide range of porcelains that make my

work easier thanks to their plasticity, behaviour and quality of finishes. But I don't only use them for my work. Since I am also dedicated to training, I use them in all my courses, since I am very confident in their results. That's why I recommend them to students when they ask me for advice.



BLACK ICE - LAGOON Núria Soley



Penélope Vallejo

Researcher in the ceramic world, Santa Maria of Palautordera, Barcelona

Porcelain paper clay gives us an opportunity to experiment. It offers a space in which we widen the limits of the conventional ceramic clays because of the effect of cellulose. With Cellulain® I am able to

work with the potter's wheel or with modeling techniques and obtain results that highlight for their translucency and delicacy.



CELLULAIN® Penélope Vallejo

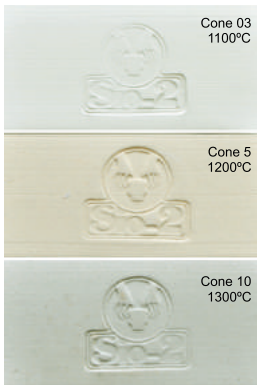


3D Printing Clays



PF Manel Caro

PRAI 3D Stoneware for 3D Printing | Cone 6-10



The popular PRAI, high fire white clay with 40% impalpable grog (up to 80 Mesh) adapted for 3D printing. Its particular white ivory color after firing is much appreciated and provides an excellent ware for glazes and coloring oxides. Besides, its characteristics offer an excellent behavior during drying and firing. Available in extruded body with the ideal humidity for 3D printing. Supplied in a 11 lb cylindrical film-wrapped pack into a carton box.

Firing range.....	Cone 6-10
Biscuit.....	Cone 06
Water content.....	22%
Plasticity (IP Atterberg).....	16
Carbonate content (CaCO ₃).....	0%
Drying shrinkage.....	≈8%
Firing shrinkage at Cone 10.....	7.0%
Porosity (water absorption) at Cone 10.....	0.0%
Dry bending strength.....	3.0 N/mm ²
Fired bending strength at Cone 10.....	51.0 N/mm ²
Thermal coefficient Cone 7 (α25-500°C).....	60.4×10 ⁻⁷ °C ⁻¹

Item Number.....	13 310 211
UPC.....	8422830133079
Supply.....	Double packaging + carton box
Packing weight.....	11 lb (5 kg)



Aneto 3D Porcelain for 3D printing | Cone 6-8



The popular Aneto porcelain adapted for 3D printing. Aneto is a translucent white porcelain which stands out for its high plasticity. Its formula is very stable and provides a secure firing range between cone 6 and cone 8. Available in extruded body with the ideal humidity for 3D printing. Supplied in a 11 lb cylindrical film-wrapped pack into a carton box.

Firing range.....	Cone 6-8
Biscuit.....	Cone 06
Water content.....	25%
Plasticity (IP Atterberg).....	11
Carbonate content (CaCO ₃).....	0%
Drying shrinkage.....	≈7%
Firing shrinkage at Cone 7.....	11.2%
Porosity (water absorption) at Cone 7.....	0.0%
Dry bending strength.....	3.1 N/mm ²
Fired bending strength at Cone 7.....	51.5 N/mm ²
Thermal coefficient Cone 7 (α25-500°C).....	63.7×10 ⁻⁷ °C ⁻¹

Item Number.....	16 000 210
UPC.....	8422830160020
Supply.....	Double packaging + carton box
Packing weight.....	11 lb (5 kg)





Proyecto COmida IAAC



Martí Baltà

Owner of Ceràmica Baltà and bcn3Dceramics

“Dirijo un taller cerámico donde un 60% del trabajo que realizamos utilizamos tecnología 3D. El poder tener preparadas al punto óptimo de impresión la pasta cerámica es de gran ayuda. En una impresión del tipo extrusión es esencial el disponer de una pasta con un grado óptimo de humedad y elasticidad, con la que sabes que la capa impresa será limpia homogénea y quedará perfectamente soldada de principio a fin. Las pastas de SIO-2 dan unos resultados excelentes durante la impresión, en la fase de secado y en el horneado admitiendo procedimientos y estrés que otras pastas no aguantarían. La más utilizada por nosotros y nuestros diseñadores es la PRAI 3D. En el taller utilizamos esmaltes complejos con mucha fuerza de “tirón” y este gres sin desgrasante aguanta los esmaltes de forma excepcional”.

I run a ceramic studio in which 60% of the work is done with 3D technology. Being able to have ceramic clays prepared to be used in its optimal point is a big help. In extruded print it is essential having a clay with the perfect degrees of moisture and elasticity, which means knowing that the printing will be clean and homogenous and the clay will be perfectly joined. SIO-2 printing clays offer excellent results during the printing, drying and firing processes. They withstand stress processes impossible to apply in others clays. What we use most is PRAI 3D; in the studio, we use complex glazes with a lot of strength and this stoneware always has an excellent behavior.



PRAI 3D Fabian Schmid



Jordi Soler (Mnokstudio) + BCN3DCERAMICS



Natural Self-hardening Clay

Natural self-hardening clay. No firing is necessary. Very clean handling. Odorless. Once dried, it can be colored with any type of paint or crayon.



Natural clay



Self-hardening



High hardness



Odorless



Can be painted

PLUS 1 kg

12 u. 12 kg



Extra White

Item Number 24530004
UPC 8422830245109



Natural White

Item Number 20230004
UPC 8422830001118



Terracotta

Item Number 20330004
UPC 8422830001217



Black

Item Number 21330002
UPC 8422830001613





Self-hardening Casting Slip

SIO-2 FLUMO® is air drying casting slip that achieves great hardness. It is used exclusively with plaster molds for the traditional casting slip process.



Self-hardening



High hardness



Can be painted



Can be dyed

Flumo 1 It

4 u. 6,2 kg



Flumo 1 It
Item Number 20780002
UPC 8422830002115



Ceramic clays manufacturing process

Clay mining from nature

Clays are natural materials that are extracted from mines and open-pit deposits. The selection and origin of each type of clay depends on its desired physical characteristics (color, plasticity, melting point, etc.).

Receiving, mixing and grinding

The clays arrive at the factory in a dump truck and are unloaded into the feed hoppers, where they are mixed and crushed through a continuous process. The result is a clay composition in a crumbled state that combines the specific clay formula to make a ceramic clay.

Clay storage

The clay composition is controlled and stored in the external storage bays. With the storage, the homogenization of the components is obtained and the natural maturation and drying of the clay is favoured.

Grinding

The ceramic clay manufacturing process begins with the dry grinding of the clay composition using pendular mills.

The result is a clayey composition in powder that flows through pipes (pneumatic transport) to the storage silos.

Dosing, kneading and extrusion

The clay composition is dry mixed with other solid components (grog, minerals, pigments) and is dosed with the liquid phase (water and additives) in an automatic process controlled by sophisticated dosing and weighing systems. The resulting formula is mixed in the kneader, obtaining a body in a plastic state, which is extruded in the form of a compact bar (under vacuum) with an automatically controlled consistency (hardness).

Packaging and palletizing

The extruded bar is cut into individual blocks (units) of defined and automatically controlled weight. The units travel through a carousel where they are automatically packed, labelled and palletized.

Storage and dispatch

The palletized ceramic clay is stored on shelves until it is dispatched to the customer.





Location and How to Order



Sales to End Consumers

SIO-2® clays are distributed to end consumers through a network of distributors. Check the list of distributors in the U.S. and Canada on www.sio-2.com/distributors.

Sales to Distributors/Resellers

SIO-2® clays are distributed to resellers within the North America by The Ceramic Shop company in Norristown (PA).

Direct orders to Collet Clays Corp. are possible for direct shipments from the factory in Barcelona (Spain), with minimum orders of 1 full pallet per SKU. Mixed pallets are not possible for shipments from the factory. Direct purchase is valid for companies with a resale certificate only.

Distributors/Resellers (North America)

The Ceramic Shop
1200 Markley St Norristown PA 19401
Phone: (888) 457-4236
Email: wholesale@theceramicshop.com
Hours: 9:00AM to 5:00PM EST, Monday to Friday

Direct Orders/Customer Service

Nuria Cervantes/Thomas Scherl
Phone: (786) 431-3393
Email: orders@sio-2.com
Hours: 9:00AM to 1:00PM EST, Monday to Friday

Office in the U.S.

Collet Clays Corp.
2655 S Le Jeune Rd. Suite #810
Coral Gables FL 33134

Factory in Spain

Ceramica Collet S.A.
Poligono Industrial L'Olana s/n.
08292 Esparreguera (Barcelona, SPAIN)
Collet Clays Corp. is an affiliated company to Ceramica Collet S.A.

Supply

Most of SIO-2® clays are packed in 27.6 lb (12.5 kg) film-wrapped packages into a carton box. Pallets weigh 3,307 lb (120 units x pallet). Porcelain is packed in 11 lb (5 kg). Pallets weigh 3,307 lb (300 units x pallet). Pallet size (American skid): 48×40 in (122×102 cm).

Prices

Price list is available upon demand.
Price list for resellers within the North America is issued by The Ceramic Shop.
Price list for direct orders to Collet Clays Corp (EXW factory Barcelona, SPAIN) is valid for FULL PALLETS only. Quantity discounts apply for orders from 4 pallets, 7 pallets and full container (10 pallets). Prices include wooden pallets and standard packing materials. For special packing requirements, handling fees may apply. Prices are subject to change without notice.

Shipping

Shipping charges are determined by weight, destination and special freight requirements, and they will be quoted upon demand after placing the order. Customers have the option of shipping on their own.

Warranty

We guarantee the technical specifications of products, reflected on labels and technical documentation issued exclusively by the firm. No liability is assumed for products with damaged packaging or improper storage outside our warehouse or defects resulting from misuse of the material by the customer. In any case, the responsibility of Collet Clays Corp. is always limited to the price of clay that the firm recognizes as defective.

Important Recommendations

Storage: protect products from direct sunlight, avoiding excessive temperature changes and protect from frost. Use: customers have technical sheets available with information on the characteristics of the product and its use. We always recommend testing the products prior to big use in order to verify their suitability in both the ceramic process (shaping, drying, firing and decoration) and the final apply that is expected to be obtained.

Safety

All SIO-2® clay bodies sold in US are certified by the Art & Creative Materials Institute (ACMI) and conform to ASTM D-4236 safety guidelines. Material Safety Data Sheets (MSDS) are available upon demand. We disclaim any liability for accidents involving personal injury or damage to property, caused by improper use of the products.

Shortage or Damaged Goods

Once receipt of shipment, shortages, damaged goods or shipping mistakes must be noted on the delivery receipt and reported to us. Claims must be made within 15 days.

Goods Return

Defective goods must be reported to us. Full credit can be given in case of acceptance from quality department. Goods can be returned only under authorization.

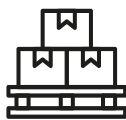
Terms

Orders must be prepaid or paid upon delivery unless prior credit arrangements have been made.

Supplied in Carton Box



For perfect protection during transport and storage, your SIO-2® clay is supplied in film-wrapped pack into a carton box.





www.sio-2.com

COLLET CLAYS Corp.

2655 S Le Jeune Rd. Suite #810, Coral Gables, FL 33134

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