

SIO-2® PM – Black Earthenware Clay

IS IRON OXIDE USED TO MAKE THE CLAY BLACK?

No. This clay uses a very dark clay and a small quantity of manganese (<5%) to get the right color.

IS SIO-2® PM CLAY MICROWAVE SAFE?

If PM clay is fired at cone 05 and covered in a non-porous glaze, your piece should be microwave safe (however to ensure the longevity of your objects, it's always better to avoid using them in the microwave or dishwasher).

IS SIO-2® PM SUITABLE FOR TABLEWARE?

Yes. PM clay bodies are food-safe according to ISO 6486:1999 standards.

GLAZE

RECOMMENDATIONS

SIO-2® PM clay is highly versatile and can be glazed with any standard pottery glaze.



PM Jose Ramon Castello



PM Llevall i Elies



SIO-2® PM is a premium quality black earthenware clay that is highly versatile and perfect for a wide range of pottery and sculpting projects. It is formulated for low-fire kiln firing and is suitable for use by both novice and experienced artists.

SIO-2® PM Clay is suitable for wheel-throwing, modelling, and sculpting- making it an ideal choice for artists who want to experiment with different methods and styles.

This clay's deep black color, smooth texture and excellent plasticity makes it easy to work with and allows artists to create detailed, stunning sculptures or pottery pieces.

Firing range: 970-1025°C / Cone 06-05
Water content (throwing): 21%
Plasticity (IP Atterberg): 15
Carbonate content (CaCO₃): 8%
Drying shrinkage: 5.4%
Firing shrinkage 1000°C: 0.9%
Porosity (water absorption) at 1000°C: 15.8%
Dry bending strength: 5.3 N/mm²
Fired bending strength 1000°C: 28.9 N/mm²
Thermal coefficient 1000°C (25-500°C): 81.7x10⁻⁷°C⁻¹



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