



Microporous Coating Type ZIRPORCOAT-2

General Information

ZIRCAR Ceramics' ZIRPORCOAT-2 is a combination of fine polycrystalline ceramic fillers in a water-based colloidal carrier. Applied directly to the surface of ZIRCAR Ceramics' MICROSIL Microporous Insulation, ZIRPORCOAT-2 dries to form a relatively tough surface which significantly enhances the handleability of the MICROSIL it is applied to.

As supplied, ZIRPORCOAT-2 has a concentrated putty-like consistency and must be diluted. ZIRPORCOAT-2 is also offered prediluted. Both varieties must be blended to a smooth consistency prior to use. Each thin layer should be air-dried prior to application of subsequent layers. ZIRPORCOAT-2 coated parts must be thoroughly dried before they are put into service. Drying overnight in relatively low humidity is usually sufficient.



Characteristics & Properties

Color	White
Dry Bulk Density, g/cc (pcf)	0.9 (56.2)
Maximum Use Temperature*, °C (°F)	900 (1652)
Composition, wt. %	
Al ₂ O ₃	65
SiO ₂	35
Shelf Life	6 Months
Moisture Content - Undiluted, wt. %	30-35
Organic Content, wt. %	6

The data presented herein is intended to help the user to determine the appropriateness of this material for their application. This data is a nominal representation of this product's properties and characteristics and therefore should not be used in preparing specifications. * Maximum use temperature is dependent on variables such as stresses, both thermal and mechanical, and the chemical environment that the material experiences.

Availability

ITEM #	DESCRIPTION
D8400	ZIRPORCOAT-2, 1 Ltr
J116A-0001	ZIRPORCOAT-2 (diluted), 1 Qt
J116A-0002	ZIRPORCOAT-2 (diluted), 1 Pt

To Order

ZIRPORCOAT-2 is packaged upon receipt of an order. Shipment is usually made within a few days.

Please contact ZIRCAR Ceramics, Inc.'s customer service department at Tel: +1 845 651 6600 ext. 10 or via e-mail at sales@zircarceramics.com.

ZIRCAR Ceramics, Inc.

PO Box 519

100 N. Main St., Florida, NY 10921-0519

Telephone: (845) 651-6600

E-mail: sales@zircarceramics.com

Technical Data Bulletin

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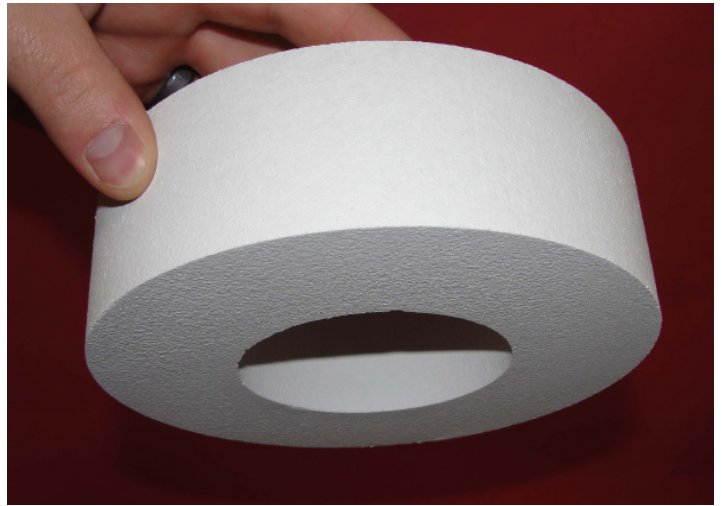
Suggested Applications

Coating of ZIRCAR Ceramics' MICROSIL Microporous Insulation to enhance handleability.

How to Use ZIRPORCOAT-2

ZIRPORCOAT-2 must be used diluted with clean water at a 1:1 volume ratio. Best results are obtained when the diluted mixture is thoroughly blended in an high shear "vita-mix" type of blender.

ZIRPORCOAT-2 can be applied with the use of a soft bristle or foam brush as well with an HVLP sprayer. For best results thin layers should be applied and allowed to dry. Then if possible, lightly sand prior to application of the next layer. A coating thickness of approximately 0.25mm will result in a uniformly white and opaque surface. This is usually achieved with a double coating.



ZIRPORCOAT-2 is easily applied to complex surfaces in thin layers with the use of an HVLP sprayer. It can also be applied with a soft brush. Coated surfaces can be lightly sanded.



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