



non-stick coatings

DURACERAM CERAMIC COATINGS





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PRODUCT INFORMATION

DURACERAM

- ❑ This is a cutting-edge, breakthrough inorganic single coat system with truly superior hardness and abrasion properties.
- ❑ Within GMM labs and in field tests, this systems pencil hardness reaches a previously-unheard of 8-9H, while still maintaining extremely good non-stick, excellent heat resistance properties.
- ❑ Beyond application on cookware, bakeware, and electrical appliances, this product is also very suitable for industrial equipment and construction material equipment.
- ❑ Low baking property provides great energy/cost savings.
- ❑ It can be applied on various kind of substrates with light grit blasting.
- ❑ In addition, this series of product meets the FDA standard 21CFR 175-300 as well as all ROHS standards.



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PRODUCT INFORMATION

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Advantages :

- Excellent hardness of 8 to 9 H
- Very good Wear Resistance
- Very good Chemical Resistant

Disadvantages :

- Poor Release compare to water based non-stick coating.
- Poor Flexibility, high brittleness
- Poor Tiger paw test when used on cookware.



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TECHNICAL INFORMATION

DURACERAM CERAMIC COATING (ONE COAT & TWO COAT SYSTEM)

APPLICATION	ELECTRICAL APPLIANCE, EXTERIOR OF COOKWARE
SUBSTRATE	STAINLESS STEEL, ALLOY STEEL, PLATED METAL
PRETREATMENTS	SAND BLASTING
DRY FILM THICKNESS (DFT)	22-25 μ (FOR 2-COAT 10-12 μ PER COAT)
CURING/BAKING TEMPERATURE	220 °C (428 °F) x 20 min
COLOR AVAILABILITY	LIGHTER DARK COLORS
HEAT RESISTANCE	400 °C (752 °F) X 4 HRS
BOILING SALT (5%) WATER	24 HOURS
DISHWASHER RESISTANCE	40 CYCLES