



# Technical Data Sheet

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## RO-59 TM-PZA

### Product Description:

RO-59 TM-PZA deposits thin, dry, firmly bonded mold release coatings on metallic and some non-metallic surfaces. The coating bonds directly to the surface of the mold to ensure high quality release properties.

### Use:

The composition of the coating ensures high quality release properties from metallic and some non-metallic surfaces.

### Composition:

RO-59 products are environmentally safe. They are water based with no VOC's. Also, they are nonflammable, do not affect the ozone layer and do not contribute to the greenhouse effect.

### Handling:

Please be sure to read the SDS and follow all precautions including appropriate PPE necessary to handle this product safely. Keep tightly sealed while not in use. Mix well before use, and verify the material is homogenous.

Avoid freezing the product and make sure the material is at ambient temperature prior to use.

### Instructions for Use:

#### Dilution:

Dilute 1 gallon of RO-59 concentrate with 3 gallons of reverse osmosis (RO), distilled, or deionized (DI) water. Do not use softened water.

#### Cleaning:

A clean and dry surface is necessary to ensure proper bonding and functionality of the RO-59 coating. A clean metallic surface and completely free of organic contamination is indicated by complete and uniform wetting of the surface by water with no dry spots and no beading or streaking by the water.

#### Application:

By dipping, spraying, wipe-on etc. Whatever the method, a sufficient amount of TM-PZA should be applied to ensure the complete and uniform wetting of the substrate with no dry spot formation.

A quick air dry (minutes) after application is necessary to effect proper cosmetic appearance. Proper bonding of the coating is ensured either by following the quick air dry with heating in an oven 200°F for about 30 minutes then raise temperature to 400°F for 5 minutes. Allow it to cool.

Cosmetically acceptable coatings are more likely to form by orienting the coated substrate in a vertical position to allow drainage. A second coating thickness to improve wear resistance and possibly to improve cosmetics is done by application + quick air dry (1 to 2 minutes) for the first coating followed by reapplication + quick air dry for the second coat + final 160°F-200°F heating.

Test the RO-59 coated surface for lubricity by rubbing with a paper towel. A smooth feel indicates the presence of a low friction coating.

### FEATURES:

Water based	No VOC
Nonflammable	