



RO-59tm8 PTFE

1. Description

RO-59tm8 deposits a bonded PTFE coating on aluminum surfaces for dry-film lubricity.

- Firmly bonds to substrate.
- Can be applied by immersion or spray.
- Environmentally safe to use.
- RoHS compliant
- REACH compliant

2. Application instructions (See Section 5)

| | |
|-----------------|------------------------|
| Concentration: | 33% by volume |
| pH: | 9.2-12.8 |
| Temperature: | Ambient |
| Immersion time: | 30 seconds - 2 minutes |

3. Conditions for using RO-59tm8

| | |
|-----------------|--|
| Tank: | Tank must be of stainless steel, polypropylene or PVC. |
| Water quality: | Deionized |
| pH adjustments: | Raise with dilute ammonium hydroxide. Lower with dilute sulfuric acid. Rinse the probe thoroughly after each use, as it may become coated with PTFE. |
| Agitation: | Mix gently prior to use. |
| Cleaning: | A clean surface is necessary to ensure proper bonding and functionality of the PTFE coating. A clean metallic surface is indicated by a complete and uniform wetting of the surface by water with no dry spots, beading or streaking of water. |
| Cosmetics: | Cosmetically acceptable coatings are more likely to form by racking the work in a vertical position to allow drainage. |
| Dyed work: | Anodized work that has been dyed, should be sealed prior to immersion in PTFE. |
| Sealed work: | Parts must be allowed to cool to room temperature prior to immersion in PTFE. |

4. Solution makeup

1. Fill tank 60% full of deionized water.
2. Slowly add the required amount of RO-59tm8 to the water.
3. Add water very slowly to operating level and mix again.

5. Typical application cycle

1. Parts must be cool, completely clean and water-break free prior to immersion in RO-59tm8.
2. Dip the work in RO-59tm8 for 30 seconds - 2 minutes.
3. Remove the work and allow to air dry for several hours for proper bonding.

Multiple coating thickness:

A second coating to improve wear resistance and possibly to improve cosmetics is done by application + quick air dry (20-30 minutes) for the first coating, followed by reapplication + air dry (several hours) for proper bonding.

6. Titration procedure

There is no analytical procedure for concentration level.
Control by adding back 33% by volume of RO-59tm8 due to drag out.

7. Storage

Store in original container in a cool dry location.
Keep solution away from direct sunlight.
Maintain solution temperature above 50°F and below 100°F.

8. Disclosure

All information is given under the express conditions that the party receiving it, will make its own determination of its suitability.

9. Packaging

5 gallons
55 gallons

10. Product safety

We recommend that the company/operator read and review the **Safety Data Sheet** for the appropriate health and safety warnings before use.

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