

Quick Pik 7

Quick Pik 7 is a convenient to use, free-flowing mixture of dry acids. It is dissolved in water and used at room temperature to remove light to medium surface rust from steel and to activate steel surfaces prior to blackening with Black Magic blackening solutions. Heavily rusted surfaces may require elevated temperatures of 150°F to 170°F. It is used following the water rinse after conventional cleaning of the steel surfaces.

Quick Pik 7 is more moderate in its action on steel surfaces than muriatic or sulfuric acids. Provides a uniformly active surface. Does not produce the undesirable fumes given off with strong acids. It also eliminates the hazards of handling liquid acids. No venting required when used at ambient temperatures.

Quick Pik 7 may also be used to prepare and activate zinc plated surfaces, die cast surfaces, copper and copper alloy surfaces prior to blackening, antiquing, chromate conversion coating or other finishing.

Features & Benefits

Fluoride containing	Fast acting scale removal, higher productivity
Versatile	Silicate scale, lime scale removal, activates and deoxidizes multiple metallic substrates; lower inventory impact
No Chlorides	Less chance of pitting; less rejects, higher productivity, lower cost

Operating Conditions

Quick Pik 7 solutions must be contained in acid-resistant tanks and containers. Polypropylene, polyethylene, PVC, or lined steel are suitable.

Solution make up

Quick Pik 7 is used at concentrations of 4 to 32 ounces per gallon of water.

Recommendations:

Steel	Activation: 8 oz/Gal 30 – 60 sec. Immersion
Copper & its alloys	Deoxidizing: 8 to 16 oz/Gal 30 – 60 sec. Immersion
Plated & die cast zinc	Deoxidizing: 4 to 8 oz/Gal 30 sec. – 2 min. Immersion

Residual Quick Pik 7 solution must be removed by thorough rinsing prior to further finishing.

Titration Method

1. Pipette 5 mL of the sample into a 250 mL Erlenmeyer flask.
2. Add 25 mL distilled water to flask.
3. Add 4 drops of Methyl Orange / Xylene Cyanole indicator solution.
4. Titrate with 0.1 N Sodium Hydroxide solution until the indicator changes from purple to green.
5. Record mL used.

Calculation

$$\text{Concentration (oz/Gal)} = \text{mL } 0.1 \text{ N NaOH} \times 0.266$$

Caution

May cause skin irritation. Do not get in eyes. Avoid prolonged contact with skin. In case of contact with skin or eyes, flush freely with water for at least 15 minutes. For eyes, get medical attention.

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please call us at 203.756.5521 or email: techservice@hubbardhall.com

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