

TURCO® F.R. CONDITIONER

DESCRIPTION

Turco F.R. Conditioner is an acid based product containing an effective inhibitor system and incorporating inert oil based, seal. The product is designed to remove corrosion resistant paint films from jet engine compressor blades.

One of its major advantages is that it will remove paint, but will not attack surfaces such as anodized aluminum, and processing is carried out at ambient temperature.

The product used in conjunction with Turco Aluminetch No. 2, and Smut Go 2 can be utilized to remove both paint and anodized coatings from aluminum blades, thus enabling detailed inspection of the unetched, metal surface to be carried out.

Turco F.R. Conditioner shows that no visible attack on phosphor bronze, or bare or anodized aluminum. It is safe on ferrous metals, lead and titanium. It is unsafe on most organic materials other than saturated paraffin types.

USE INSTRUCTION

Immerse dry part below the seal layer in Turco F.R. Conditioner. Use at an ambient temperature and allow contact times of up to 30 minutes. Other paint stripper jobs may require contact times varying from a few minutes up to several hours.

After processing, remove part and rinse with cold water. If removal of the paint surface only is required, water rinse using either high-pressure water or preferably utilizing ultrasonic agitation will prove of assistance in removing the coating. (Turco F.R. Conditioner attacks the organic bonding of the coating, but does not generally react with the filler in the paint. Ultrasonic agitation greatly assists the removal of the paint residues.)

At this stage, blades will have the paint surface completely removed, but any anodizing present on the metal surface will not be attacked.

TO REMOVE THE ANODISED COATING

Immerse the rinsed part in Turco Aluminetch No. 2 solution at a concentration of 6 oz. per gallon, ambient temperature for 30 - 60 seconds. (2 minutes max.) Rinse with cold water and de-smut in Turco Smut Go No. 2 at 8 oz. per gallon in water containing 5% concentrated Nitric Acid. Immersion times of 1 - 2 minutes only are necessary. Remove part and thoroughly rinse with cold water and dry.

SPECIAL INSTRUCTION

Turco F.R. Conditioner contains strongly acidic material and should on no account be allowed to come in contact with skin, eyes or clothing. Protective (PVC) clothing and face shields should be worn at all times. Avoid splashing material. In case of spillage, neutralise with soda ash. Avoid contact with organic materials, particularly unsaturated or oxygen containing chemicals.

The product is non-fuming and no extraction is required.

DO NOT allow water to come in contact with Turco F.R. conditioner. Tanks and holding equipment may be fabricated from cast iron or preferably stainless steel or lead.

BATH MAINTENANCE

Control the seal to a depth of 2 inches or 10% by volume whichever is greater. Additions to the seal must be made by either adding more product or by replenishing with Turco F.R. Conditioner Seal Additive.

Depletion of bath efficiency is directly dependent on workload and indications of depletion will be shown by excessive contact times necessary to strip the paint film and by a significant increase in solvent viscosity. At this point, part of the product must be discarded and fresh Turco F.R. Conditioner Solvent Additive must be added. The product shows little or no tendency to form sludge on the bottom of the tank.

TO DISPOSE OF F.R. CONDITIONER

The product must be slowly added to a large volume of cold water. Additions of F.R. Conditioner to water will cause the considerable evolution of heat. The diluted solution may then be neutralized with soda ash or caustic soda and may then be poured down the drain or processed through an effluent plant to remove the oil phase, should such effluent requirements be in force in the use area.

NOTICE:

The above information and recommendations concerning this product are based upon our laboratory tests and field use experience with this or similar products. However, since conditions of actual use are beyond our control, any recommendations or suggestions are made without warranty, express or implied. Manufacturer's and sellers sole obligation shall be to replace that portion of the product shown to be defective. Neither shall be liable for any loss, damage, or injury, direct or consequential, arising out of the use of this product.

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