

TURCOAT 6787-25

LIQUID NON-CHROMATED CONVERSION COATING FOR SPRAY AND DIP APPLICATIONS

Description

Turcoat 6787-25 produces a clear, colorless non-chromated paint adhesion promoting film on aluminum alloys. It meets the painted salt-spray requirements of 400 and 1000 hours on such applications as sheet, extruded, roll formed products that are eventually finished with either solvent based, water-borne or powder decorative paints.

Non-painted panels Al 1100 will hold 120 - 164 hours salt-spray test.

Features of Turcoat 6787-25

1. Readily soluble in cold water at recommended dilutions
2. Solution can be operated at ambient temperature
3. Use at low concentration: 8 to 12% by volume for either spray or dip applications
4. Alternative to hexavalent chrome treatments

Recommended Use

Four Stage Spray or Dip System:

1. Clean metal surfaces with a combined cleaner/etchant such as Turco Albrite Heavy (15%) for 1 - 10 minutes.
2. Cold water overflowing rinse for 1 - 5 minutes.
3. Apply Turcoat 6787-25 at a concentration of 8 - 12% for 1 - 2 minutes spray or 5 - 10 minutes dip applications. Do not rinse.
4. Drip dry. If fabricated parts are to be painted immediately following conversion, it is preferred to force dry film at 60 - 95°C for 10 - 15 minutes prior to finishing. The dried Turcoat 6787-25 coating should not be solvent wiped or rinsed prior to painting.

Six Stage Spray or Dip System:

1. Chemically clean parts to water-break-free surface preferably with a non-chromated, non-silicated cleaner such as Turco 4215 NC LT at 42 - 65°C for 5 - 10 minutes.

2. Cold water overflowing rinse for 1 - 5 minutes.
3. Deoxidize and de-smut parts in non-chromated Turco Smutgo NC solution for 2 - 5 minutes.
4. Cold water overflowing rinse for 1 - 5 minutes.
5. Apply Turcoat 6787-25 at 8 to 12% for 1 - 2 minutes spray or 5 - 10 minutes dip application. Do not rinse.
6. Drip-dry. If fabricated parts are to be painted immediately following conversion, it is preferred to force dry film at 60 - 95°C for 10 - 15 minutes prior to finishing. The dried Turcoat 6787-25 coating should not be solvent wiped or rinsed prior to painting.

Control

Optimum pH ranges have been established. The pH range of diluted Turcoat 6787-25 will usually be between 2.1 and 2.7. Particularly for dip applications, if pH gets above 2.7 add small quantities of Turcoat 6787-25.

Equipment

Tanks and associated equipment can be fabricated from coated stainless steel, or chemically resistant plastic, such as polyethylene equipment is preferred.

Before using this product refer to container label, and Turco Material Safety Data Sheet for additional handling, precaution, and first aid information.

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 seller's 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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