

AMEREQUIP SUPPLIER REQUIREMENTS



Production Part Approval Process (PPAP): All suppliers are required to submit PPAP to Amerequip if the following statement is true: Product is a new product (initial release), has been revised, or has not previously been supplied to Amerequip. At minimum, all suppliers must submit the PPAP documents noted below prior to shipping affected product to Amerequip. By accepting the Terms and Conditions noted on Purchase Order, the supplier accepts the PPAP requirements, drawing requirements (tolerances, material, etc.). All concerns in regards to drawing requirements are the supplier's responsibility to communicate to Amerequip prior to PPAP submission. Do not send PPAP's within shipment with parts. Send all PPAP's via email to ppap@amerequip.com. Below are Amerequip's minimum PPAP requirements. Products such as wire harnesses, hydraulic cylinders, and hydraulic control valves may have additional requirements.

- Amerequip PPAP Requirements:
 - Amerequip Part Submission Warrant (F-C-QC020)
 - 5 Piece ISIR with ballooned drawing (must verify all dimensions, weld callouts, and notes on drawing)
 - Material Test Results
 - Coating Test Results (Paint, Plating, Heat Treat, Etc....)
- Secondary Operation Only – PPAP Requirements (Secondary Machining, Plating, Painting, and/or Heat Treating)
 - Amerequip Part Submission Warrant (F-C-QC020)
 - 5 Piece ISIR with ballooned drawing (must verify all dimensions and notes on drawing that are being performed by supplier)
 - Coating Test Results (Paint, Plating, Heat Treat, Etc....)

***DO NOT SHIP PARTS:** Amerequip will approve PPAP based on the documentation submitted. Once PPAP is approved, suppliers are approved to ship purchase orders based on quantities and specified dates stated on the purchase order. Products approved to ship to Amerequip, based on documentation submitted by suppliers, are still subject to reject based on any non-conformances identified once received by Amerequip.

Plating Requirements: Amerequip design controlled drawings with plating callouts that are NOT controlled by SPEC-C-Q003, are considered obsolete. These plating callouts are superseded by the Amerequip Plating Specification SPEC-C-Q003. Drawings NOT controlled by Amerequip, as noted in title block, are required to meet the drawing specific plating requirement.

Restriction of Hazardous Substance Directive (RoHS): All products are required to meet SPEC-C-Q005. This is required for all products, regardless if the product is Amerequip design or not. Any product that does not conform to SPEC-C-Q005 requires immediate rectification by supplier. If actions required to bring product into specification cannot be performed, the supplier must immediately contact Amerequip Supplier Quality Engineer.

Records of Conformance: All suppliers are required to maintain records of conformance (all requirements stated on drawings to include but not limited to material and dimensional characteristics and any other specifications listed) for all production products supplied to Amerequip. Amerequip must be notified of any non-conformance by contacting the appropriate Amerequip buyer prior to shipment of product. Product inspection records must be maintained for a period of 3 years and made available to Amerequip personnel upon request.

Burrs, Slag, & Sharp Edges: All products require burrs, laser slag, dross, and sharp edges to be removed.

Material Defects/Damage: All material must be free of scale, dings, dents, scratches, pits, and grind marks. **Red Iron Oxide scale is not allowed on any parts. Parts received with Red Iron Oxide will be immediately rejected back to the supplier or depending on production demands, cleaned at the supplier's expense.**

Minor defects are acceptable if they cannot be felt with the bare fingertip and cannot be seen when viewed from a distance of 2 feet. No amount of raised metal is allowed. Care must be taken when performing any rework with abrasive tools to avoid leaving impressions in the material surface that will be seen after paint. Preferred method of rework is using DA sanding equipment with 120 grit abrasive or finer.

Rust Preventative: All materials must demonstrate a 45 day shelf life with no signs of rust once product has been received at Amerequip. Any signs of rust upon receipt of product will be returned to the supplier. Measures of rust prevention can include, but are not limited to, VCI bags and/or application of a rust preventative. Any rust preventative applied to the product must not contain Paraffin, Waxes, or Calcium as found on product MSDS sheets and must be able to be removed by a 10% alkaline bath (2 minute cycle). Direct any questions to the Amerequip personnel listed below.

Laser Oxide: All painted products require laser oxide to be removed.

Packaging: All products must be packaged in manner to arrive at Amerequip in good condition. Products that can be damaged during shipping, or that are fragile, must be labeled as such. Any shipments received at Amerequip with damaged packaging or product will be returned to the supplier.

Drawing Notes/Standards: All Amerequip and customer specific standards and notes on drawings are required to be met. All specifications should be requested as needed.

Amerequip Contact Information:

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This is considered a controlled document. Copies distributed to suppliers are considered "Uncontrolled". For the most current revision contact the Amerequip Quality Department quality@amerequip.com or visit www.amerequip.com