

Mastinox general data

Approvals

Mastinox 6856H and 6856K meet with the performance requirements of MIL-P-8116B. Mastinox C627B meets the performance requirements of MIL-C-11796B

Use

Direct contact between different alloys can lead to galvanic corrosion at the joint.

In assemblies which are subject to shock and vibration, this corrosion is exacerbated by the presence of humidity. Jointing compounds are therefore required which both inhibit corrosion and at the same time, are effective insulators.

Their remarkable flexibility minimises any risk of cracking or separation resulting from ageing.

The choice of the correct grade of Mastinox can be based on two criteria.

1. Whether the joint is likely to be separated at any time or whether it will remain permanently assembled.
 2. Temperature resistance required.
- a. Permanent assemblies
choose a version of Mastinox which cures in contact with air
- Mastinox C627B (part number 2047/3600) which is very flexible and contains corrosion inhibiting pigments. It has very good resistance to ageing and to temperatures between 100-120°C.
- b. Separable assemblies:
choose a non-hardening version
- Mastinox 6856H (1914/3600) which resists temperatures up to 115-120°C.
 - Mastinox 6856K (1913/3600) - use in preference to Mastinox 6856H where temperatures are likely to exceed 150-160°C
 - Mastinox D40 (1640/3600) - use where temperatures are likely to reach 200°C.

Preparation for application

Mastinox can be applied on all assembly joints whether painted, coated or bare.

Application

Mastinox can be applied with brush or spatula or can be poured from the can thinned as necessary with 0422/9000.

Product preparation

Thinner 0422/9000 should be used with all grades of Mastinox to obtain the correct viscosity suited to the task in hand.

The most important thing is to ensure that the joint is correctly filled.

Dry film characteristics

Mastinox is not affected by most hydrocarbons or greases.

It is recommended however, that wherever Mastinox will come in contact with aggressive hydraulic fluids, for example "Skydrol" it is protected using a conventional polyurethane paint system.

Safety precautions

Do not use this material without first referring to the relevant Material Safety Data Sheet .

Follow carefully all precautions associated with the handling of paint. Use masks, gloves and protection overalls. Ensure adequate ventilation. In case of contact with skin, wash immediately with soap and water. In case of contact with the eyes, wash thoroughly with water and consult a doctor immediately.

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All recommendations, statements, and technical data contained herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. User shall rely on his own information and tests to determine suitability of the product for the intended use and assumes all risks and liability resulting from his use of the product. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss, or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding upon the manufacturer or seller.