UYSAL
MAKİNA

omniMask®

Thread Masking Coating Protection against Adhesion of Weld Spatter and Electrodeposited Coating(KTL)

Description

omniMASK® is 98% Teflon®, a reliable FEB Fluoropolymer powder coating that protects against the adhesion Weld Spatter and Electrodeposited coatings, E-Coating or KTL, primers and paintings. It also reduces the clamp load variation during assembly.

The newly develop omniMASK® thread masking coating is dry to the touch. It is selectively applied to internal or external threaded parts. It is commonly used for weld nuts and weld studs and provides good electrical grounding. omniMASK® is avaliable in white and orange.

omniMask®

Applications and Features

omniMASK® thread masking coating has following features and advantages:

- Prevents adhesion of electrodeposited coatings and primers (also known as KTL) on the threaded area of fasteners.
- Prevents adhesion of weld spatter.
- Eliminates the expensive and technically recomended manual “re-tapping” operations to remove paint and weld spatter.
- Reduces torque vs tension variations.
- Joint integrity is assured as the coating is not fully cured and is therefore removed from the thread pressure flanks during the proper clamp load.
- Eliminates the expensive manual operation of installing and removing caps and plugs.
- Eliminates the utilization of “slave” bolts.
- Can be applied onto internal or external threaded fasteners.
- Electrical conductivity and grounding achived at the joint.
- Due to its lower melting temperature compared to other power coatings it can be applied onto zinc plated parts with minimum reduction of the salt spray resistance.
- Increases productivity on the assembly line.
- Eliminates scrap and reduces manufacturing cost.

Automotive Specifications

omniMASK® meets or exceeds the following specifications:

- GMW 15822 - Approved
- FORD WSS - M21P27 - A3 –Approved
- VW TL188 – Approved
- FCA PS.50015
- DAIMLER MBN 10391

Technical Properties

- **Material:** Powder FEB Flouropolymer
- **Colors:** White and Orange
- **Coefficient of Friction:** 0.09 – 0.15
- **Melting Temperature:** 260°C Global Avability

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