



Advanced Fastening and Sealing Technologies

PRE-APPLIED

BISEAL 0630®

BiSeal 0630 is a pre-applied process in which wax based materials are coated onto fasteners making them self-sealing. As parts are installed, the wax migrates along the threads, filling any holes between the fastener and joined parts. Highly effective on self-tapping screws for use with thin metal where typical sealants would not have enough thread engagement or material thickness to properly seal.



PRE-APPLIED PROCESS INFORMATION

How It Works

Parts sent to ND Industries for BiSeal 0630 pre-application undergo a process in which wax based materials are coated onto fasteners below the head and to the tip, fully coating all lead threads.

They arrive to the customer dry to the touch and ready for use. During installation of the fastener, the material collects in the thread path and under the head of the fastener to close off any openings that may allow the passage of fluids or contaminants. BiSeal 0630 processed parts are non-reactive, require no cure time, and will seal immediately on assembly.



Effective Sealing

BiSeal 0630 processing creates parts which will seal against air, moisture, and environmental contaminants.



Full Seating Torque

Unlike underhead washers which lower clamp load, BiSeal 0630 processed parts can be seated at the recommended torque.



Resilient

Heavy body thickness and toughness make BiSeal 0630 effective for self-tapping fasteners which create larger gaps.



Low VOC

Materials used in BiSeal 0630 processing have a non-volatile content of more than 99 percent by weight.



Non-Staining

Waxes applied with the BiSeal 0630 process will not discolor or stain surrounding areas when exposed to paint production systems.



Heat Resistant

BiSeal 0630 applied waxes will retain their original shape and will not flow or break down when exposed to 1 hour of dry heat at 135°C.

CONTACT US

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PROCESS BENEFITS

Saves Time: Pre-Applied BiSeal 0630 parts can be automatically fed through standard feeding devices – speeding up your process and improving productivity.

Saves Money: Pre-Applied BiSeal 0630 processing costs less than other forms of fastener sealing applications.

Quality Control: Pre-Applied BiSeal 0630 fasteners are coated to specification, ensuring consistent performance.

Reliability: BiSeal 0630 processing replaces costly O-Rings which can be torn during installation.

BISEAL 0630 APPLICATIONS

Construction sheet metal applications, Automotive body applications

APPROVED SPECIFICATIONS

Meets or exceeds the performance requirements of the following specifications and/or standards:

Chrysler: MS-CD51

Ford: ESB-M4G80-A, WSS-M21P27-A1, WSS-M21P27-A2, WSS-M21P27-A3, WSS-M21P27-A4, WSS-M21P27-A5

General Motors: GM6039M

PROCESSING NOTES

- BiSeal 0630 processing requires no lead threads.
- Indefinite on part life under ideal storage conditions [+40°F (+4°C) to +90°F (+32°C)], but re-certification must occur once a year.

PRE-APPLIED SERVICE

Step 1 - Process Selection: Our sales and R&D staff will help you find the right process to meet your performance specifications.

Step 2 - Shipping: Once a selection has been made, have your fasteners shipped to one of our worldwide processing centers.

Step 3 - Processing: Utilizing custom, high-speed equipment, we apply the necessary materials to your exact specification.

Step 4 - Delivery: Once processing is complete, parts are shipped back ready for distribution or assembly.