

Nyseal® – under-head pre-coating for sealing headed screws ...

Nyseal® is a new concept permitting elastic seals to be applied under the head, flange or at the thread run-out of screws or other threaded components – already prior to installation.

This eliminates the need to use manually mounted washers, seals or O-rings.

Field of application

Nyseal® is a green, optionally transparent plastic coating which is melted directly onto the underneath of the screw head. This achieves an excellent sealing effect against fluids and gases. At the same time, the coating acts as a buffer for sensitive surfaces of the workpieces to be joined.

Product features

- Low-cost pre-coating
- Prevention of corrosion under the screw head
- Excellent sealing properties
- No additional washers or seals needed
- Workplaces and assembly workstations are kept clean
- No waste

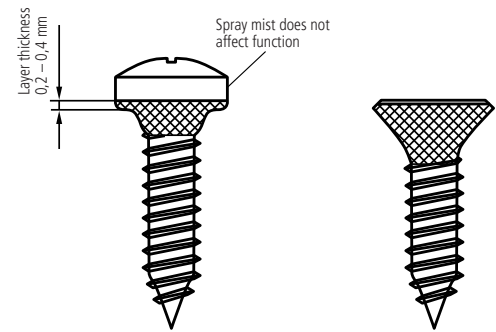


Application

Melted directly onto the surface of a metal component, Nyseal forms a reusable seal, eliminating the need for costly hand mounted products.

On self-tapping or thread-tapping screws, the coating forms an additional sealing feature resistant to vibrations.

Inserts for subsequently moulded plastic components can be coated, doing away with the need for costly O-rings.



Example of aNyseal®-coating to WS 903 2

Dimensions in mm

| Article number | Suitable for screws | Max. tightening torque ¹⁾ in Nm |
|-----------------|---------------------|--|
| 903 200 030.000 | M 3 | 0,6 |
| 903 200 040.000 | M 4 | 1,4 |
| 903 200 050.000 | M 5 | 2,6 |
| 903 200 060.000 | M 6 | 4,5 |
| 903 200 080.000 | M 8 | 11,0 |
| 903 200 100.000 | M 10 | 22,0 |

¹⁾ Guideline values

On principle, before application of the Nyseal® coating, a practical test must be carried out using samples in order to check the tightening torques and also any possible reusability in the application.

Example for finding the article number

Nyseal®-coating in accordance with WS 903 2 on an M10 screw:
903 200 100.000

Product profile

Material: Polyolefin
Operating temperature: 70°C
Reusability: up to 10 mal, depending on load
Shore hardness: 54
Colour: green or transparent
Maximum temperature: 90°C
Sealing effect: up to 70 bar

Other dimensions and shapes, e.g. flange nuts, shaft screws and other connecting elements on request.

Storage stability

The applied Nyseal® coating is hygroscopic and should be stored under airtight and dry conditions at temperatures no higher than 27°C to ensure maximum shelf life.

Animation

