

# TECNOFREN

The Pre-applied Self-locking Agent

## DESCRIPTION

TECNOFREN® is a system designed to take advantage of the elastic deformation of polyamide, to make the product self-locking, sealant (optional 360°), adjustable and applicable to any male threaded part.

## APPLICATION

TECNOFREN® is applied by means of direct coating using special devices patented by Tecnologic3, in positions and sizes which vary in accordance with the diameter, thread pitch and locking torque to be obtained. It is distributed over the thread and female screw and eliminates the spaces between the threads, creating greater metal to metal contact and exerting long-lasting resistance to loosening and vibrations.

TECNOFREN® is particularly suitable for regulator screws which subject to frequent dismantling and reassembly.

## PROPERTIES

- ✓ excellent resistance to vibrations
- ✓ reusable (several times)
- ✓ adjustable, ideal for regulator screws
- ✓ position and size of product as per requirements
- ✓ various torque levels available
- ✓ applicable at 90° - 120° (standard)
- ✓ applicable at 360° (sealant option)
- ✓ applicable to all types of metal
- ✓ solvent-free
- ✓ ecological
- ✓ food contact
- ✓ dry to the touch
- ✓ easy to assemble
- ✓ excellent resistance to chemical products



## TECHNICAL APPLICATION PROPERTIES

|                                 |  |
|---------------------------------|--|
| colours                         | <i>yellow/blue/red</i>   |
| solvent content                 | <i>none</i>  |
| reuse                           | <i>can be reassembled up to 5 times</i>  |
| hazard classification           | <i>non-toxic</i>   |
| corrosive properties            | <i>none (on industrial metal surfaces)</i>   |
| resistance to chemical products | <i>lubricants, fuels, hydraulic fluids, oils and most solvents</i>                   |
| application                     | <i>90°-120° (standard)<br/>360° (circular sealant function)</i>                      |
| friction value (*)              | <i>0.10-0.16</i>   |
| storage times                   | <i>unlimited at temp. = +5°C - +28°C<br/>when kept in a dry place</i>                |
| operating temperature range     | <i>- 55°C - +120°C (with peaks of 150°C)<br/>-70°F - 250°F (with peaks of 300°F)</i> |

(\*) Values for the use of hexagonal headed screws, M 10 in, class 10.9, with normal finish.

Unless otherwise expressly required by the customer, TECNOLOGIC 3 applies TECNOFREN® in line with the DIN 267 p. 28:2009-09 and UNI EN ISO 3269:2002 standards.

Note: the safety information can be found in the product safety schedule.