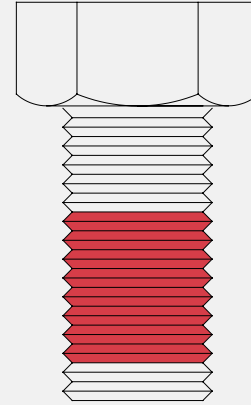


# TECNOLOGIC® 150

## Adhesive and Sealing powerful Resistance

Strong threadlocking and sealing micro-encapsulated system based on water and technologically advanced resins ensures excellent levels of resistance to loosening, stresses and vibrations applicable to all types of metals and different plastics.

The water-based TECNOLOGIC® 150 reduces the environmental impact that the extensive use of solvents is having on our planet.



## GENERAL DESCRIPTION

Chemical type	Acrylic resins
Solvent base	H2O
Appearance	Red - customizable on demand
Viscosity	Low
Application	Threadlocking
Local distribution	360°

TECNOLOGIC® 150 prevents loosening, vibration and leakage of threaded fasteners up to max 200°C temperatures.

TECNOLOGIC® 150 covers the mechanical, functional, physical, environmental, regulatory and durability requirements.

During assembly TECNOLOGIC® 150 patented microcapsules and adhesive, which are contained within the coating, are crushed thereby releasing an active ingredient which initiates the curing process.

TECNOLOGIC® 150 allows a strong blocking and sealing effect, a high-pressure seal and excellent chemical resistance after curing. TECNOLOGIC® 150 is applied by means of controlled deposit using a special system studied and designed by TECNOLOGIC 3®.

## INDUSTRIAL AND SECTOR OF USE

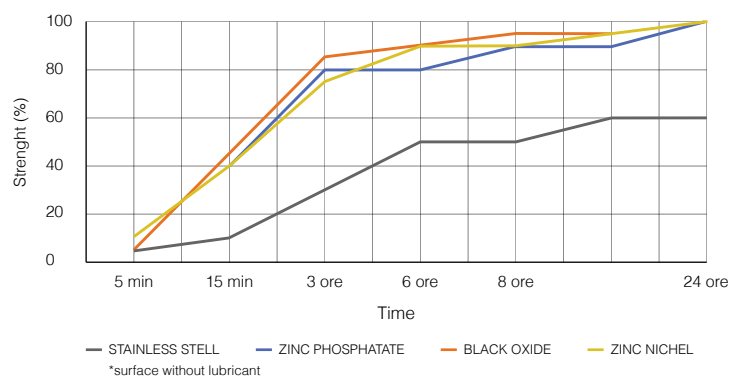
The coating can be used in all kinds of assembly procedures, particularly for serial production. Actual main areas of application are automotive industry, electronics, motorcycles, household appliances, office machines, computer industry, electric motors and batteries, robotics and assembling industries, earthmoving and excavating machinery and constructions - farming industry - energetic industries - sportive, furniture and fixture sectors.

## TECHNICAL DATA PERFORMANCE

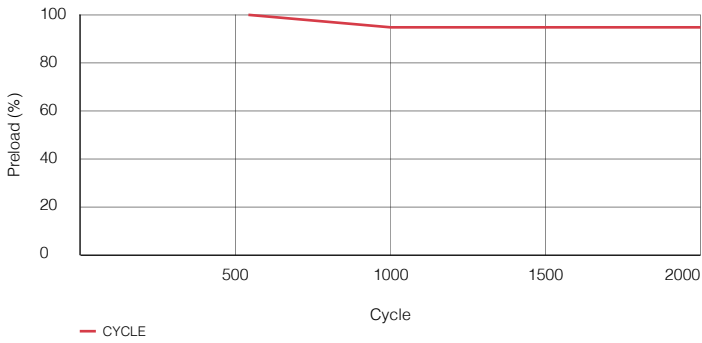
<b>Curing Time</b> [Chart 1: Curing Time Progress]	20°C±25°C Reaching 100% within 24h
<b>Operating temperature range</b>	min -55°C max 200°C (min -67°F max 392°F)
<b>Coefficient of friction (CoF)</b>	0,12±0,18
<b>Prevailing torque*</b>	< 1Nmh
<b>Breakaway torque*</b>	>20Nm
<b>Loosening*</b> [Chart 3: Torque Increase]	< 55Nm
<b>Resistance to chemicals</b>	Generic lubricants, fuels, hydraulic fluids, oils and most solvent
<b>Pressure indications</b>	Max pressure depending on client mission and applications
<b>Re-use</b>	The screw cannot be reused and it must be replaced. The internal thread has to be cleaned by re-tapping from first previous first-use products.
<b>Storage</b>	Max 4 years T+5°C T+28°C kept in a dry place

\*Values for the use of hexagonal headed screws, M 10 in, class 10.9, with normal finish. On Fastener lubricated, with lubricant integrated, and/or added, needs test before the application. They can be used on all types of external and internal threads, with suitable tolerance e.g.6g-6H Unless otherwise expressly required by the customer, TECNOLOGIC 3® applies TECNOLOGIC® 150 in line with the DIN 267 p27.

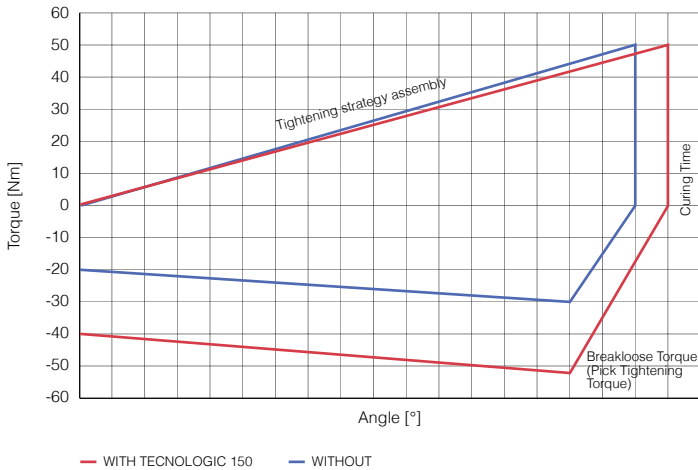
### Curing Time Progress



## Vibration test according to Junkers DIN 65151 and ISO 16130



## Breakloose Torque comparison



Test according to DIN 267-27. All values apply to screws M10 ISO 4017-8.8 plain finish and nuts M10 ISO 4032-10 plain finish. All other surfaces could deliver different values.

## MANUFACTURER SPECS

TECNOLOGIC® 150 satisfies and goes beyond the technical specifications and requirements of the following OEM's:

Stellantis, Caterpillar, Jcb, Dana, Ford, Volkswagen-Audi, GM, Renault, Mercedes, Cnh, Ducati, Lamborghini, Piaggio, Brembo, Ferrari, Maserati, Iveco, Magneti Marelli, Cobo, Nissan, ABB, Merlo, Meritor, Bitron, Yamaha Motor, Husqvarna, B&D, Solar Edge, MGMinigers, PSA, Lear, Getrag, Valeo, DIN 267/27, IFI 125-525

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

The information and technical data provided in this TDS, including advice and recommendations for the use and application of the product, are based on the knowledge and experience of the producer at the date of this TDS and are therefore purely indicative.

The product has a variety of applications that are outside the producer's control, as well as the conditions of use of the product in different environments cannot be foreseen and considered by the producer.

Product application should therefore not be started without prior independent tests and/or studies and adequacy evaluations by the customer.

For these reasons, the accuracy and exhaustiveness of the tests performed cannot be guaranteed by Tecnologic 3 S.r.l., which therefore expressly disclaims any liability deriving from the use of the product or the technical information provided herein.

The technical information provided in this document only refers to the product described and the use indicated and is not applicable if the product is used in combination with other materials or in other processes. The selection of unsuitable products and materials for use in combination with Tecnologic 3 S.r.l.'s product may cause damage and injury, therefore it is the customer's obligation to select suitable, adequate and compatible products, raw materials, components to be used in combination with Tecnologic 3 S.r.l.'s product.

The customer must take all necessary precautions because he is the exclusively responsible for goods and/or persons regarding any dangers that may arise from the use of the product.

The information and data contained in this document are subject to amendment without prior producer's notice.

Tecnologic 3 S.r.l. accepts no liability for any direct, indirect, or accidental damage resulting from misreading, misinterpretation or misusing of the information contained herein.

## PERFORMANCE ADVANTAGES

- Threadlocking and sealing united in one
- Adhesive + micro encapsulated activators
- Adjusted thread friction value and Excellent vibrations resistance
- Position and size as per requirements
- Can be applied to either external and internal thread parts
- Outstanding metal to metal and metal to plastics properties

## CUSTOMER BENEFITS

- Standardized application to reduce assembling time and processes
- Pre-applied threadlocking compounds at the point of assembly
- Replace all other type of locking/sealant agents
- Eco-friendly Water-based solution
- Solvent free and dry to the touch
- Physiological and toxicological not harmful
- Color simply identifies presence, strength and function