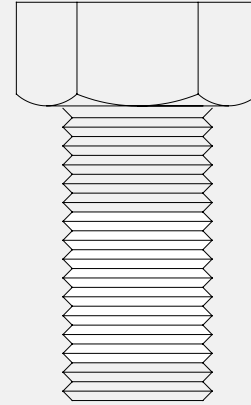


TECNOLOGIC® 40

The Pre-applied Hybrid Self-locking + Sealant

TECNOLOGIC® 40 is an hybrid self-locking + sealant agent suitable based on water and technologically advanced resins. Cold applied to specifically prevent surface's damages; is reusable few times. Could be applied on soft/hard metals and plastic.

The water-based TECNOLOGIC® 40 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	White - customizable on demand
Viscosity	Low
Application	Self-locking / Sealant
Local distribution	360°

TECNOLOGIC® 40 prevents loosening through vibration; it provides a slight sealing capability through mechanical braking. TECNOLOGIC® 40 is distributed over threads eliminating the engagement gap and exerting long-lasting resistance to loosening and vibrations.

TECNOLOGIC® 40 covers the mechanical, functional, physical, environmental, regulatory and durability requirements.

TECNOLOGIC® 40 is particularly suitable for soft metal, light alloy and plastic materials that need repeat adjustment. Low friction value and good sealant property.

TECNOLOGIC® 40 allows medium self-locking and pressurized sealing effect. It is adjustable several times and has excellent chemical resistance.

TECNOLOGIC® 40 is applied by means of controlled deposit using a special system studied and designed by TECNOLOGIC 3®.

INDUSTRIAL AND SECTOR OF USE

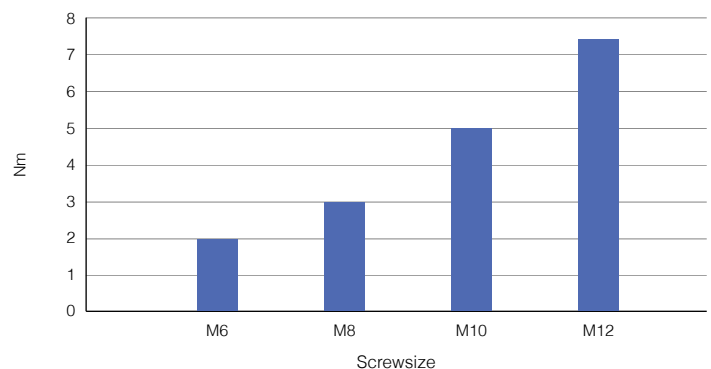
The coating can be used in all kinds of assembly procedures, particularly for serial production. Actual main areas of application are automotive industry, electronics, motorcycles, household appliances, office machines, computer industry, electric motors and batteries, robotics and assembling industries,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

TECHNICAL DATA PERFORMANCE

Response Time	Instantaneous
Operating temperature range	min -55°C max 200°C (min -67°F max 392°F)
Coefficient of friction (CoF)	0,10÷0,13
Prevailing torque*	< 5Nm
Prevailing torque* at 1rd unscrewing operation	> 2,5Nm
Prevailing torque* at 3rd unscrewing operation	> 1,25Nm
Resistance to chemicals	Generic lubricants, fuels, hydraulic fluids, oils and most solvent
Pressure indications	Max pressure depending on client mission and applications
Re-use	To be defined pre-series
Storage	Max 4 years T+5°C T+28°C kept in a dry place

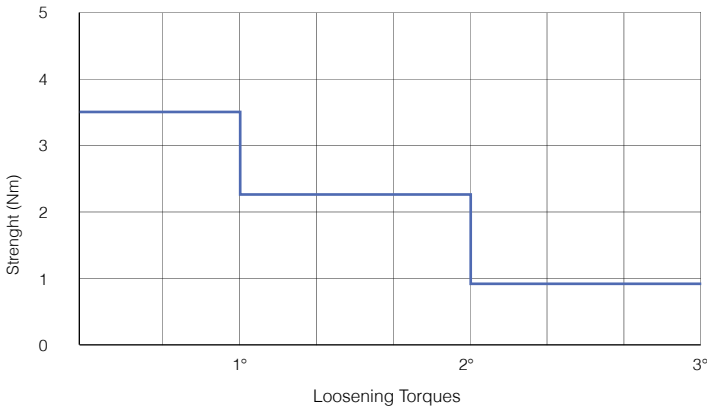
*Values for the use of hexagonal headed screws, M 10 in, class 10.9, with normal finish. On Fastener lubricated, with lubricant integrated, and/or added, needs test before the application They can be used on all types of external and internal threads, with suitable tolerance e.g.6g-6H Unless otherwise expressly required by the customer, TECNOLOGIC 3® applies TECNOLOGIC® 40 in line with the DIN 267 p28.

Prevailing Torque in relation to screwsize



Loosening Torque standard DIN 267 p.28

Typical performance screw M10



Performance Results Overview - uncoated ISO 4017

Threading	1° Screwing Torque Max Nm	1° Loosening Torque Min Nm	3° Loosening Torque Min Nm
M5	1,1	0,18	0,15
M6	2	0,35	0,23
M8	3	0,85	0,45
M10	5	1,5	0,75
M12	7,5	2,3	1,6

MANUFACTURER SPECS

TECNOLOGIC® 40 satisfies and goes beyond the technical specifications and requirements of the following OEM's:

Stellantis, Yamaha Motor, DIN 267/28

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

- Excellent self-locking and sealing resistance to vibrations
- Reusable few times on soft metals and plastics, adjustable, ideal for regulator screws
- Specific develop for hybrid use
- Position and size as per requirements
- Can be applied to either internal and external thread parts
- It is not necessary preheating, ideal to preserve mild topcoat and esthetical items
- Outstanding metal to metal and metal to plastics properties
- Various torque levels available
- Can be used as securing device

CUSTOMER BENEFITS

- Standardized application to reduce assembling time and processes
- Pre-applied self-locking compounds at the point of assembly
- Replace all other type of self-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