

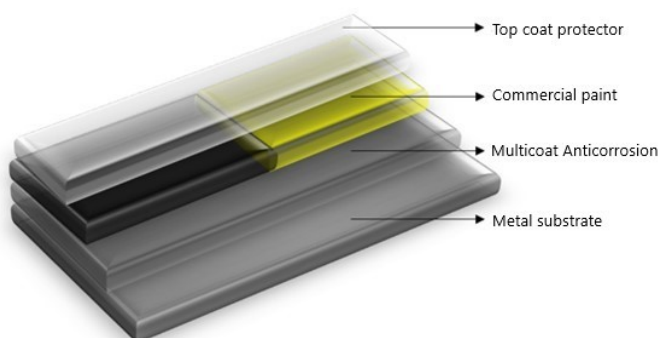
TECNADIS MULTICOAT ANTICORROSION

Nano ceramic protector with anti-corrosive properties for metals.

Product Description

Tecnadis MULTICOAT ANTICORROSION (PRIMER and FINISH) are nano-ceramic solutions that provide high protection against corrosion for metals, Category C4, and high hardness. The available anticorrosion technologies are the following:

- **Tecnadis MULTICOAT ANTICORROSION PRIMER:** high performance anticorrosion protector (Category C4) used as an anticorrosion primer in a solution formed by several layers of coatings, see figure:



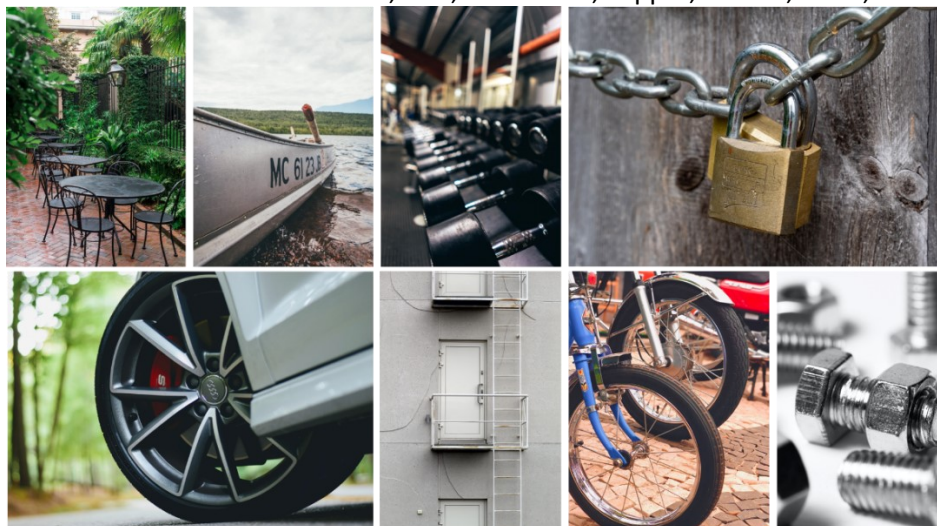
- **Tecnadis MULTICOAT ANTICORROSION FINISH:** it is also a high performance anticorrosion protector used directly on the metal as a last coat of metallic grey colour, which also **provides non-stick properties**. This solution is **highly resistant to corrosion (Category C4) and protects surfaces from deterioration caused by external agents** such as **water, ice, humidity, rust, saltpetre, corrosion, UV radiation**, as well as that caused by **dirt (oils, grease, graffiti, etc.) or scratches**.

Both products, which are **not a paint**, create a **metallic grey anti-corrosion layer**. They are based on a dispersion of ceramic and metallic nanoparticles that offer **advanced and long-lasting cathodic protection (Category C4)**.

Applications and uses

Tecnadis MULTICOAT ANTICORROSION can be directly applied on:

- **Metal surfaces** such as: steel, iron, aluminium, copper, bronze, brass, etc.



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Uses: It can be used in a wide variety of applications where high protection against corrosion is required, for example:

- **Industrial maintenance:** paint booths, painting tools, metal structures, tanks, tools, etc
- **Urban maintenance and infrastructure:** benches, litter bins, lampposts, children's playgrounds, public toilets, sculptures, MUPIS, etc.
- **Household:** Furniture, hinges, railings, locks, doors, radiators, blinds, shutters, windows, screws, taps, mailboxes, enclosures, fences, etc.
- **Vehicle components:** rims, chassis, bodywork components, etc.
- **Nautical maintenance:** propellers, keels, masts, fishing tackle, etc.

Features and advantages

- **Metallic grey nano protector, long-lasting and advanced cathodic protection.**
- **High corrosion resistant coating. Category C4.**
- It creates a **protective layer with metallic finish (matt)** that **acts as a cathodic protection** on metals, **reducing** the deterioration caused by **external agents** such as **water, ice, humidity, rust, saltpetre, corrosion, UV radiation**, as well as **natural deterioration** caused by **dirt or scratches**.
- **High durability.**
- It provides **hardness** to the treated surface.
- It **extends the lifetime** of materials, making maintenance intervals longer.
- The non-stick power of **Tecnadis MULTICOAT ANTICORROSION FINISH** facilitates **maintenance, demoulding and cleaning of dirt (stains, oils, grease, graffiti, limescale, etc.)**.
- **Room temperature curing.** It does not require heat. However, the curing process for both **PRIMER and FINISH** can be accelerated with a temperature of **120-130°C** for 1 hour.
- **Resistant to temperatures** of around **140-150°C**.
- **Resistant to solvents and common cleaning products.**
- The final thickness of the standard coating is between **20-30 microns**, but it can vary depending on the properties sought.
- **Easy application** by aerosol or spray gun.
- **Great adhesion** to surfaces.
- **Re-applicable.** It is possible to **repair damaged areas** without having to remove the previous coating remains. If necessary, it can be removed by surface polishing.

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Product information.
Composition and physico-chemical properties.

TECNADIS MULTICOAT ANTICORROSION	
Colour	Metallic Grey
Active Components	35-45%
Solvent	Ethanol
Density	0,9-1,1g/ml
pH value	8-9

- **Packaging:** 400 ml (aerosol), 1L, 5L, 25L
- **Bulk storage:** Tecnadis MULTICOAT ANTICORROSION has a shelf life of 12 months from the date of manufacture, stored tightly closed in the original hermetically sealed container at temperatures between 5°C and 30°C.

Surface preparation

The metal surface must be clean and dry before application. Avoid dust or solid particles of any kind on the surface. It is recommended to remove all traces of oxidation or corrosion.

Degrease the surface to be protected with appropriate solvents or cleaners.

For specific cases where the surface is heavily encrusted, it is recommended to use brass brushes that do not damage the metal.

How to use it

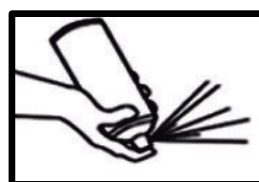
1. **PREPARATION:** It is recommended to shake the container vigorously before its use to ensure homogeneity of the product.

2. **APPLICATION:**

- 2.1) **AEROSOL:** Spray Tecnadis MULTICOAT ANTICORROSION evenly over the surface at a distance of 25-35 cm, keeping the container in a vertical or slightly inclined position, until the desired finish is achieved (avoiding overspray and sagging as far as possible).



After its use, clean the aerosol nozzle by pressing the button upside down until only gas comes out.



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In the unlikely event of clogging, make a fluid such as ethyl alcohol or water pass through the nozzle.

Average yield approx. 2-3 m²/aerosol. This may vary depending on the nature, porosity and roughness of the surface.

- 2.2) **BULK:** Spray Tecnadis MULTICOAT ANTICORROSION evenly over the surface until the desired finish is achieved (avoiding overspray and sagging as far as possible). It is recommended to apply the product by means of a compressed air sprayer, electric airless sprayer or automated spraying systems for industrial series.

Average yield approx. 8-10 m²/L. This may vary depending on the nature, porosity and roughness of the surface.

3. **DRYING:** The curing process necessary to achieve the adhesion of the product to the substrate can be carried out either at room temperature or by curing at a temperature of 120-130°C for 1 hour. In the case of room temperature curing, the product will be dry-to-touch after approximately 4 hours (this type of curing will depend on the environmental conditions, reactivity and the type of substrate). Nevertheless, the product will show high performance after 24 hours, being the optimum curing after 1-2 weeks. It is recommended not to subject the treated surface to mechanical abrasion or intensive cleaning before this time.

Notes:

- *In case of applying Tecnadis MULTICOAT ANTICORROSION PRIMER as an anticorrosion primer in a solution formed by several layers of coatings, for the rest of the coatings follow the instructions of the manufacturer.*
- *In case of seeking to maximise the non-stick and easy-to-clean properties of Tecnadis MULTICOAT ANTICORROSION FINISH, an additional layer of Tecnadis MULTICOAT ENHANCER could be applied.*

Recommendations:

- Irritant. Apply it wearing a filter mask to protect yourself from gases and particles. Carry out the application in a well-ventilated place.
- If there is any product excess, remove it immediately with a dry cloth and a solvent such as acetone or isopropanol.

Yields and storage

- **Dilution:** none
- **Yield:** Depending on the nature, porosity and roughness of the material:
 - AEROSOL: Average yield approx. 2-3 m²/aerosol.
 - BULK: Average yield approx. 8-10 m²/L.
- **Storage temperature:** between 5°C and 30°C; protect from direct sunlight; store tightly closed in original container.

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Observations	<ul style="list-style-type: none"> • Keep away from heat/open flames and avoid freezing. • Shake the product before its use. The material contained may settle slowly. • Tecnadis MULTICOAT ANTICORROSION has a shelf life of 12 months from the date of manufacture, stored in bulk, in the original tightly closed hermetic container at temperatures between 5°C and 30°C. • It is recommended to carry out an initial test on a small area of the material to be treated in order to verify the correct application of the product. • It is recommended to apply the product at temperatures between 5°C and 30°C. • This product is not suitable for medical or pharmaceutical uses.
Handling precautions	Product safety information required for safe use is not included in this document. Before handling, read material safety data sheets and container labels for safe use, physical, and health hazard information. Material safety data sheet (MSDS) is available from TECNAN.
Limited warranty information	<p>Please read it carefully:</p> <p>The information and recommendations in this document are given in good faith on the basis of TECNAN's experience and knowledge when stored, handled and applied correctly and under normal conditions within its useful life. However, because the conditions, types of materials to be treated and methods of use of our products are beyond our control, this information must be used correctly, verifying in preliminary tests that the product, the performance to be applied, the aesthetic finish and its purpose are suitable, even if other recommendations or advice have been received. TECNAN reserves the right to modify the properties of the product. TECNAN's only guarantee is that the product will comply with the sales specifications in force at the time of dispatch. Confirmation of payment and/or order implies acceptance of the product properties by the customer. TECNAN only guarantees the replacement of the product in the event of a manufacturing defect, and declines any other type of responsibility for the product, its application, as well as any additional damage it may cause. TECNAN specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. TECNAN declines responsibility for any damage caused accidentally or in case of incorrect use. Users must be familiar with the latest updated version of the Technical Data Sheet and for that TECNAN will provide a copy on request.</p>