



tecnofloor
FLOORING SYSTEMS



Continuous flooring
with high resistance

Tecnopol[®]





tecnofloor
FLOORING SYSTEMS



FLOORING

CONTINUOUS INDUSTRIAL FLOORINGS

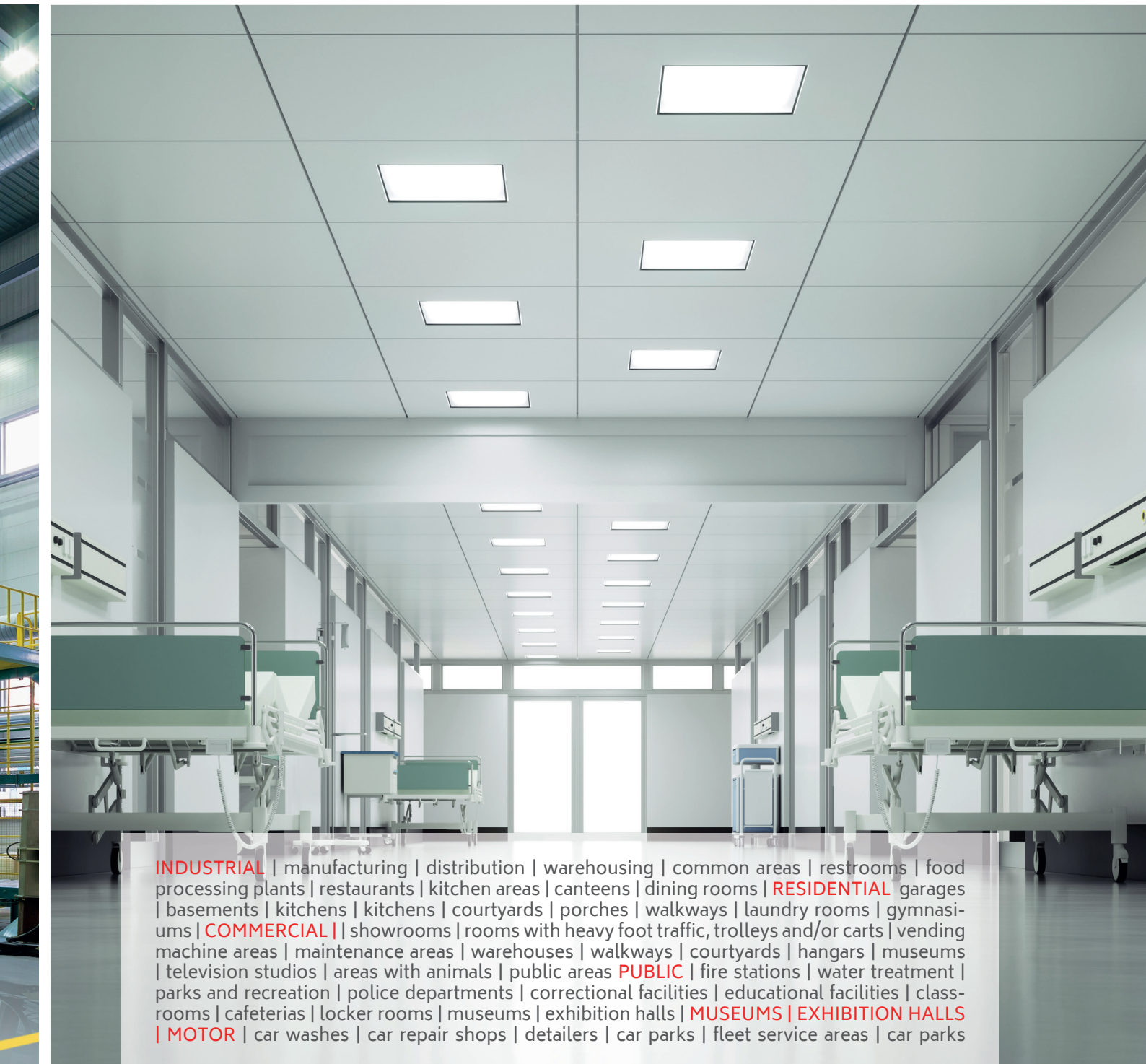
TECNOFLOOR industrial and continuous floorings are designed to pass even the most demanding tests of frequent intensive use. We have developed this range of flooring for applications where durability, strength and a decorative finish are required.



FLOORING

High resistance continuous industrial flooring designed for the most demanding uses

TECNOFLOOR industrial floorings are designed to pass the most demanding tests of frequent intensive use. The daily loads and stresses they must withstand, together with the requirements of safety, health and hygiene, have led us, after a long research process, to develop this range of floorings suitable for any application where durability, resistance and a decorative finish are required. Some specific uses:



INDUSTRIAL | manufacturing | distribution | warehousing | common areas | restrooms | food processing plants | restaurants | kitchen areas | canteens | dining rooms | **RESIDENTIAL** | garages | basements | kitchens | courtyards | porches | walkways | laundry rooms | gymnasiums | **COMMERCIAL** | | showrooms | rooms with heavy foot traffic, trolleys and/or carts | vending machine areas | maintenance areas | warehouses | walkways | courtyards | hangars | museums | television studios | areas with animals | public areas **PUBLIC** | fire stations | water treatment | parks and recreation | police departments | correctional facilities | educational facilities | classrooms | cafeterias | locker rooms | museums | exhibition halls | **MUSEUMS** | **EXHIBITION HALLS** | **MOTOR** | car washes | car repair shops | detailers | car parks | fleet service areas | car parks



tecnofloor
T-3020



Technical
data sheet



tecnofloor
T-3020 N

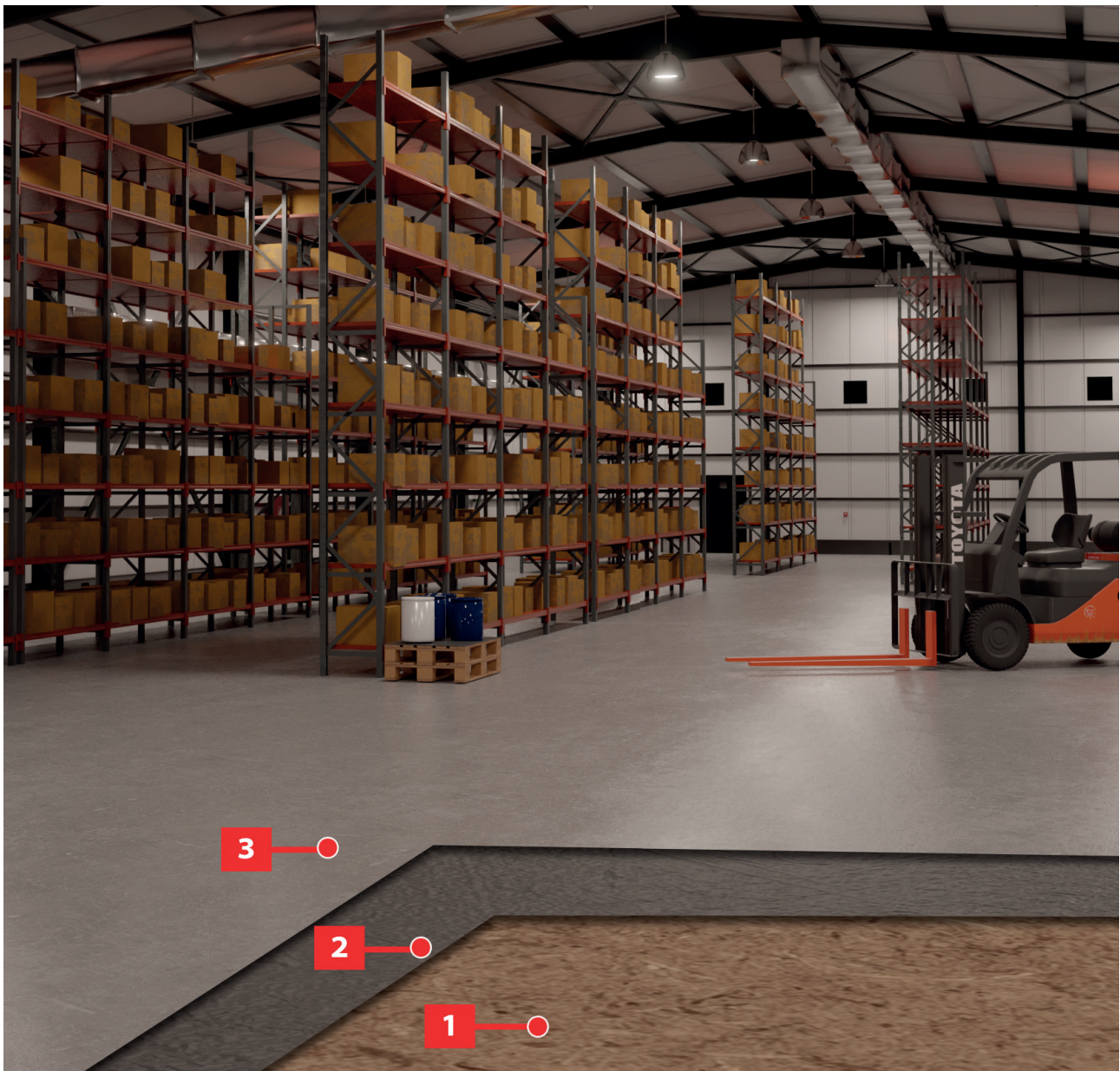
Technical
data sheet



RESINA EPOXI 100% SÓLIDOS

100% solids-based, dual-component, pigmented, aromatic, flowable epoxy resin which once cured forms a continuous, seamless, joint and overlap-free coating with high abrasion and wear resistance. For the coating and covering of surfaces for pedestrian and vehicular traffic in commercial or industrial uses.

TECNOFLOOR T-3020 N is the neutral version of this product and is pigmentable, according to RAL chart, with our range of **PIGMENT EP** pigments.



1 PRIMER range

2 TECNOFLOOR T-3020 + aggregate

3 TECNOFLOOR T-3020



GENERAL CHARACTERISTICS

- **100% solids.**
- Solvent-free, **odourless.**
- High fluidity and covering power , **which allows an** easy and fast application of the product.
- **Versatility** in finishing — it can be applied as a self-levelling or multi-layer product, or as paint.
- **Ease** of maintenance, cleaning and decontamination.
- **High chemical and** mechanical resistance.
- **High** covering power.
- Good **adhesion** on concrete.
- **TECNOFLOOR T-3020 N** can be pigmented on site according to RAL chart with **PIGMENTS EP.**



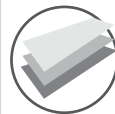
APPLICATION METHOD



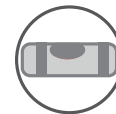
Paint



Multilayer Plus



Multilayer



Self-levelling

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AVAILABLE COLORS



RAL 3016



RAL 6024



RAL 7042



Special colors according to **RAL chart**



tecnofloor

Tw-3040

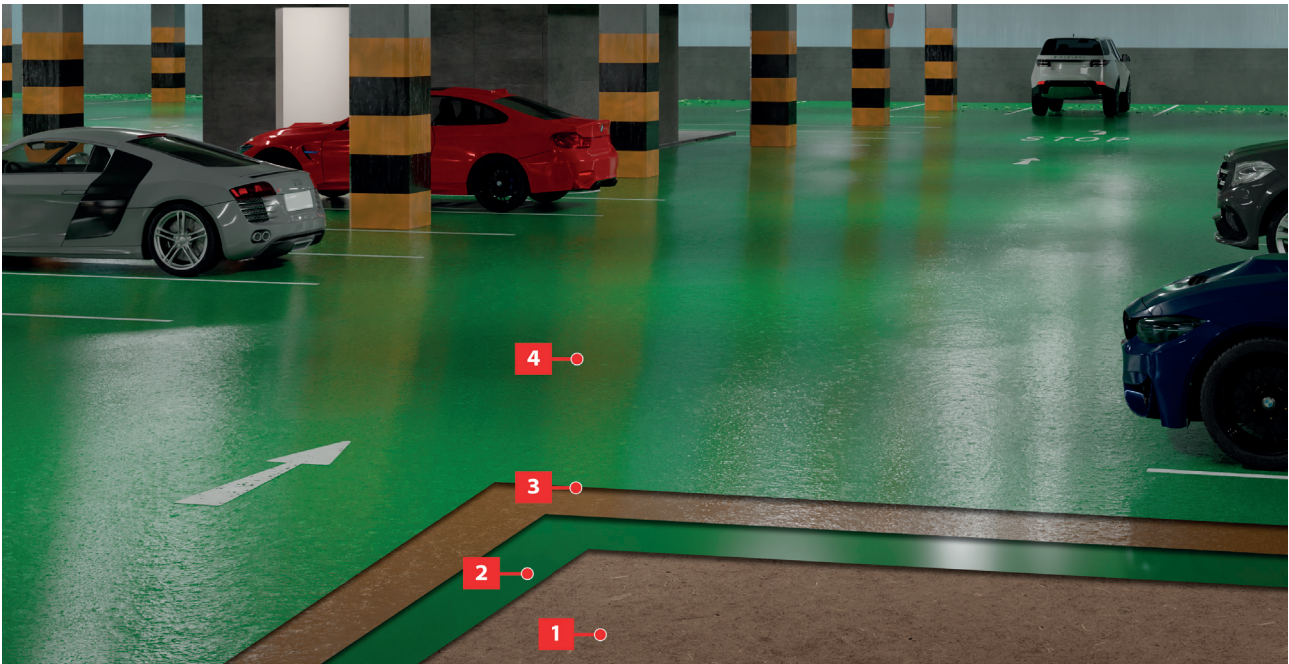


Technical data sheet



WATER-BASED EPOXY RESIN

Water based epoxy resin, dual-component, pigmented, aromatic, fluid, which forms a continuous, joint and overlap-free coating when cured. For coating and cladding of surfaces for pedestrian and vehicular traffic as well as for industrial uses. It is approved for food contact use and certified to limit overall migration in water for human consumption.



1 PRIMER range **2** TECNOFLOOR Tw-3040 **3** SILICA SAND **4** TECNOFLOOR Tw-3040



GENERAL CHARACTERISTICS

- Water-based, **odourless**.
- **High fluidity** and covering power, which allows an easy and fast application of the product.
- **Versatility** in finishing — it can be applied as a multi-layer product, or as paint.
- **Ease of maintenance**, cleaning and decontamination.
- Good **chemical and mechanical resistance**.
- High **covering power**.
- Good **adhesion to concrete**.



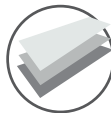
APPLICATION METHOD



Paint



Multilayer Plus



Multilayer

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AVAILABLE COLORS



RAL 6024



RAL 7042



Special colors according to RAL chart



tecnofloor

PU-3060



Technical data sheet



100% SOLIDS POLYURETHANE RESIN

Dual-component, pigmented, aromatic, flowable resin which once cured, forms a continuous, flexible, seamless, seamless, overlap-free coating with high abrasion and wear resistance. For the coating and covering of surfaces for pedestrian and vehicular traffic in commercial or industrial uses.



1 PRIMER range **2** TECNOFLOOR PU-3060



GENERAL CHARACTERISTICS

- **100% solids.**
- Solvent-free, **odourless.**
- **High fluidity**, which allows an easy and fast application of the product.
- **Versatility** in finishing — it can be applied as a self-levelling or multi-layer product, or as paint.
- **Ease of maintenance**, cleaning and decontamination.
- **Chemical and mechanical resistance.**
- High **covering power.**
- Good **adhesion on concrete.**
- May be **manufactured according to the RAL chart.**



APPLICATION METHOD



Paint



Multilayer Plus



Multilayer



Self-levelling

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AVAILABLE COLORS



RAL 7042



Special colors according to **RAL chart**



tecnofloor

STF-7020

Technical
data sheet



DUAL-COMPONENT POLYURETHANE RESIN FOR AGGLUTINATING ACIDS, ALIPHATIC AND TRANSPARENT

Dual-component, aliphatic, odourless, transparent and 100% solids-based polyurethane for use as a binder suitable as stone encapsulation for both pedestrian and vehicular traffic areas exposed to UV rays.



1 PRIMER range

2 TECNOFLOOR STF-7020

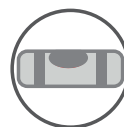


GENERAL CHARACTERISTICS

- **Clear, aliphatic polyurethane** (can be exposed to UV rays).
- **100% solids**, water-free, solvent-free (odourless).
- **High abrasion resistance**, flexibility.
- Easy and quick **application** (manual).
- Supports vehicular and pedestrian **traffic**.



APPLICATION METHOD



Self-levelling

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tecnofloor
STF-7020 ACCELERATOR

Technical
data sheet



CURING ACCELERATOR FOR TECNOFLOOR STF-7020

Single-component yellowish additive that reduces the pot life, drying time and in-service times of **TECNOFLOOR STF-7020** resin binder. The mixing ratio should be a maximum of 150 g / 7 kg of 150 g / 7 kg of **TECNOFLOOR STF-7020** kit.



GENERAL CHARACTERISTICS

- **Easy and quick** mixing with **TECNOFLOOR STF-7020**.
- **Useful** in rainy environments.
- Indispensable when **rapid commissioning** is required .
- Delivered in **pre-dosed units**.



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B066



tecnopol
FINISH TOPCOATS

**PROTECTION AND DESIGN
FINISHES AND PAVING OF HIGH
QUALITY AND RESISTANCE**



High performance products to be used as an industrial, commercial or residential paving system or as a protection for aromatic products, always with a high quality decorative finish.

BI-COMPONENT POLYURETHANE RESIN, ALIPHATIC, SUITABLE FOR FLOORING AND UV PROTECTION.

Colored, glossy, solvent-based polyurethane resin for coating, decoration and protection of pavements with glossy finish, as well as protection of aromatic membranes against UV rays. Resistant to vehicular traffic.



GENERAL CHARACTERISTICS

- **Aliphatic polyurethane.**
- **Easy application** by roller or "airless" type equipment.
- **Continuous, flexible coating** with abrasion resistance.
- For **industrial and commercial** uses.



APPLICATION METHOD



Paint



Multilayer

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AVAILABLE COLORS



Neutral



RAL 7042



RAL 8004



Special colors according to RAL chart



COLORED, COLD POLYUREA BASED RESIN FOR HIGH QUALITY COATINGS

Polyurea resin of polyaspartic nature, bi-component, fluid, which once cured forms a continuous, colored and aliphatic film. Designed for coating surfaces, both indoors and outdoors (even at low ambient temperatures). High performance in resistance to vehicular traffic.



GENERAL CHARACTERISTICS

- **Transparent** polyaspartic polyurea.
- **Easy application** in thick coat.
- **Continuous coating, with high** abrasion resistance.
- Very **quick drying**.
- Use even at **low operating temperatures**.
- For **industrial and commercial** uses.



APPLICATION METHOD



Paint



Multilayer

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COLORES DISPONIBLES



Neutral



Grey



Special colors according to **RAL** chart



HITECH TRANSPARENT, ALIPHATIC COLD POLYUREA BASED RESIN FOR HIGH QUALITY COATINGS

Polyurea resin of polyaspartic nature, bi-component, transparent, aliphatic, completely adhered to the substrate, high mechanical strength. With a fast drying process and manual cold application. Designed for coating surfaces, both indoors and outdoors (even at low temperatures).



GENERAL CHARACTERISTICS

- **High fluidity**, that allows a quick application of the product.
- **Application by** short nap acrylic wool roll.
- **Easy** of maintenance, cleaning, and decontamination.
- **Excellent bond** and great coverage.



APPLICATION METHOD



Paint

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COLORES DISPONIBLES



Transparent

APPLICATION METHODS

PAINT APPLICATION

Once the substrate has been prepared and the primer is dry **(1)**, the necessary coats of **TECNOFLOOR (2)** should be applied by roller or air-less type equipment, depending on the desired resistance. It is recommended to apply a minimum of 2 coats with an interval of 24 h between them.

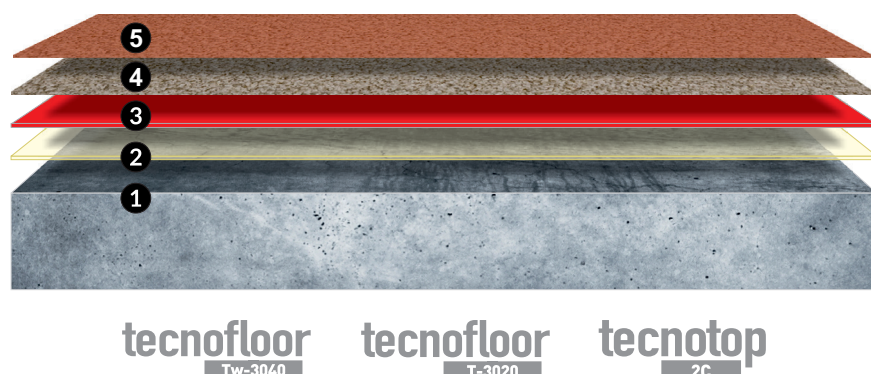
For an optimum finish and to ensure that the surface is uniformly covered and protected, it is recommended that the application of the different coats be done crosswise (perpendicular to each other).



MULTILAYER APPLICATION

Once the support is prepared **(1)** and with the primer dry **(2)**, a first coat of **TECNOFLOOR (3)** should be applied by roller or air-less equipment. Immediately afterwards and with the product wet (very important), a layer of aggregate is sprinkled at saturation. **(4)**. After 24 hours, the excess product will be swept off, the surface will be sanded and swept / vacuumed again to remove the sanding residues. Finally, a final coat of **TECNOFLOOR** is applied to completely cover the surface. **(5)**.

These steps can be repeated as many times as necessary depending on the desired strength.



MULTILAYER PLUS APPLICATION

Once the substrate **(1)** has been prepared and the primer has dried **(2)**, a first coat of **TECNOFLOOR (3)**.

*While the product is still wet, a light dusting of 0.3 ~ 1.3 aggregates should be made and allowed to dry **(4)**.*

Once dry, the excess will be swept away.

*With a smooth trowel, apply a new layer of **TECNOFLOOR (5)** previously mixed with 0.1 ~ 0.3 aggregate in a 1:1 ratio. With the previous layer still wet, a new light dusting of 0.3 ~ 1.3 aggregate is applied and allowed to dry **(6)**.* Once dry, the unbonded aggregate will be swept, the rest will be sanded and, finally, the surplus resulting from sanding will be vacuumed.

Finally, apply, with a rubber lip, a coat of **TECNOFLOOR TW-3040** diluted with 5% water or **TECNOFLOOR T-3020** diluted with 5% **DESMOPOL SOLVENT**, depending on the starting system used **(7)**.

The steps in bold can be repeated as many times as desired depending on the thickness and strength required.



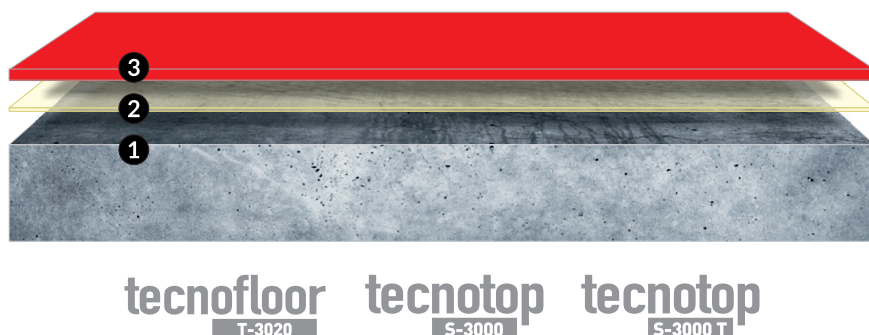
SELF-LEVELING APPLICATION

Once the substrate has been prepared and the primer is dry **(1)**, apply a layer of **TECNOFLOOR (2)** with the desired thickness (recommended minimum of 2 mm) using a notched trowel (triangular teeth). It is very important that the previous mixing of components A and B is carried out with a mechanical agitator at low revolutions to avoid adding air to the mixture, insisting especially on the inner perimeter of the base of the drum.

There is the possibility of mixing the product with an aggregate 0.3 ~ 0.5 in a 1:1 ratio, mixing with the mechanical agitator at low revolutions. After 20 minutes of the application of **TECNOFLOOR** it is necessary to pass a spiked roller with which we will facilitate the exit of the occluded air.

*Weathering finish: in applications exposed to weathering, a final coat of aliphatic enamel from the **TECNOTOP** range should be applied after the product has dried.*

*Anti-slip finish: for anti-slip finishes, once the product has dried, a final coat of aliphatic enamel from the **TECNOTOP** range mixed with micronized plastic from the **TECNOPLASTIC** range (8%) approved according to CTE SUA1 (Rd=3) in compliance with standard EN 12633:2003 will be applied.*



APPROVALS



Certified emissions of volatile organic compounds:

Tests performed on the product under the **ISO 16000** standard to quantify emissions to the atmosphere of volatile organic compounds that the product may contain.



Certified content of volatile organic compounds:

Tests carried out on the product to assess the amount of volatile organic compounds.



Anti-slip certificate:

Tested under European standards to confirm its use on surfaces where there will be pedestrian traffic, even in wet areas.



Reaction to fire

Fire performance of a product applied as walkable pavement.



SRI - Solar Reflectance

The Solar Reflectance Index (**SRI**) is the scale that measures the ability of a roof to reject solar heat, which is manifested by a small temperature rise. The SRI scale ranges from 0 to 100, with 0 being the value that absorbs the most heat (e.g., a tar roof) and 100 being the value that is the most reflective or radiates the least heat.





Drinking water contact RD 140/2003

Royal Decree 140/2003 establishes the sanitary criteria for the quality of water for human consumption, where, among others, parameters and parametric values to be met in relation to water for human consumption made available to the consumer are established. It determines the suitability of the products to be used as flooring suitable for contact with water intended for human consumption.



Tightness

Certification to determine the watertightness of the applied product according to **UNE-EN 1928:2000 Method A**.





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