



TECHNY CHEMY

TEC[®] NOVA SL Self Leveling Epoxy Floor Topping System

KEY BENEFITS AND FEATURES

- Outstanding compatibility with concrete and masonry.
- Provides a tough, dense, impermeable and durable floor topping.
- Exhibits exceptional bond strength on old and new concrete floors.
- Resistant to a wide range of chemicals commonly used in an Industrial environment.
- Protects the concrete floor surface exhibiting high aberration resistance.
- Forms into a seamless floor topping that are hygienic and easy to clean.
- Various thickness options available.
- Enhances aesthetics of the work environment.
- Fast and Easy to apply.

USAGE

- Ideal choice for light industrial production units, Automobile and auto- parts manufacturing units, clean rooms, Pharmaceutical plants, Power Plants, Kitchens and laboratories.
- Resistance to a wide range of chemicals makes it suitable flooring system for food processing zones and other chemical industries.

DIRECTIONS FOR USE

Surface preparation : Proper surface preparation is the key to any successful Epoxy application. The surface to be topped should be free of dust, laitance, oils or other contaminants. Mechanical means like Grit Blasting or grinding should be adapted to remove surface contaminants. The surface should be dry and should not suffer water ingress. Acid etching with diluted Hydrochloric acid followed by copious water washing will produce a surface similar in texture to fine/medium grit sand paper. For old floors with heavy oil contamination, detergent washing with mechanical scrubbing should be followed by thorough water washing is recommended. For new concrete floors ample time should be allowed after completion of curing. The moisture content before application of the primer should not exceed 5%. Priming coat of Tec Nova Primer EP should be applied prior to application of Tec Nova SL. Mix the two primer components in one lot and apply immediately on to the surface. Work the Primer into the surface while ensuring that there are no puddles of excess material. A second coat should be applied if the first coat is fully absorbed into the substrate and the surface appears parched. Tec Nova SL should be applied over the primer only after the primer coat has attained tack free dryness. This may take between 4 to 12 Hours depending on ambient temperatures and substrate porosity.

Mixing : Tec Nova SL is a three component system. For consistent results mix the entire contents of Part-B Hardener to Part-A Pigmented Base and mix gently for about 2 minutes preferably with a slow speed drill fitted with a stainless steel mixing paddle. The resulting homogenous mix must be of uniform shade. Care should be taken to maintain a clean environment in the mixing area to ensure that the mix is free of any contaminants. To this homogenous mix slowly add Part-C aggregate while continuing to mix. The entire content of Part-C should be added to the mix and mixing should continue for another three minutes.

Application : Sufficient material required for the planned floor area to be covered should be made available at site. Mixing and application should proceed in a well coordinated manner. The homogenous mix should be applied over the tack free Primer coat quickly ensuring that the entire mix is used up well within the pot life. The poured Mix should be spread using a serrated trowel ensuring uniform thickness and simultaneously ensuring that the required thickness is achieved. The wet mix should then be spike rolled thoroughly before the material loses its workability. Trowel marks and overlaps should be neatly Spike rolled ensuring removal of entrapped air. Workability time will vary depending on ambient temperatures and on Relative Humidity. In any case it is recommended that sufficient trained manpower be made available at site to ensure that spike rolling is completed within ten minutes from pouring the mix. Avoid application at temperatures above 35 C or below 15°C. Floor Expansion joints should continue through the Tec Nova SL topping.

Post Application : Tec Nova SL should be allowed to self cure at room temperature for a minimum period of 36 hours before being opened to pedestrian traffic. Vehicular traffic may be allowed after 7 days of curing at room temperature. Prior inspection by the applicator is advised before permitting traffic.

Cleaning : Tools and equipments should be cleaned with Tec Nova TC- Tool Cleaner when the mix is in uncured state. Cured mix can only be removed mechanically.



Certified:
ISO 9001 (QMS) & ISO
14001 (EMS)



Precautions : Prolonged inhalation of solvent vapors should be avoided. Direct contact with skin or eyes should be avoided. Use of gloves, goggles and other protective gear is mandatory. Enclosed spaces should have adequate ventilation. Where ventilation is inadequate use of suitable breathing apparatus is advised. In case of accidental eye contact thorough water washing is advised. This should be followed up with professional medical assistance. Neither the individual components nor the mix should be swallowed.

TECHNICAL DATA

Physical State	Part- A- Liquid Part-B- Liquid Part-C- Powder
Specific Gravity of Mix	1.7
Pot Life at 30°C	15-20 minutes.
Initial Cure	36 hours
Final Cure	7 days
Flexural Strength after 7 days in N/mm ²	35
Tensile Strength after 7 days in N/mm ²	15
Compressive Strength after 7 days in N/mm ²	80
Chemical Resistance	Separate chart available on request.
Storage	Store in cool, dry location
Shelf Life	Maximum of 1 year from date of manufacture in unopened package
Colour	Ref Shade card

PACKAGING, THICKNESS AND COVERAGE

	Thickness	Packing	Coverage
Tec Nova SL	500 micron	17Kg	15-20 M ² /Pack
Tec Nova SL	1mm	17Kg	7-10 M ² /Pack
Tec Nova SL	1mm	17Kg	3.8 - 4 SqM / Pack

Available in: 17 Kg Packing

OTHER PRODUCTS

Techny manufactures lot more range of other products for construction and repair applications. They include admixtures for concrete, mortars, block making etc, waterproof and damp proof coating systems, Repair and rehabilitations products, Grouts and Anchors, Protective, Decorative and Corrosion prevention coatings, Epoxy Flooring systems, Industrial flooring systems and Tiling aids. For more details refer Separate Product brochures.

Every reasonable precaution is taken in the manufacture of the Techny products to ensure that they comply with high standards of quality. The recommendations and properties of the products are based upon what is believed to be the most reliable information available and are not intended as recommendations which infringe other patents. Although all Techny products are subject to rigid quality tests, no specific guarantee can be given, because results depend not only on quality but also on other factors beyond our control. We therefore welcome consultation in the event of doubt about application performance etc but do not accept any liability either directly or indirectly arising from the use of the products whether used as per its specifications or advice or otherwise. All transactions shall be subject to our terms of sale, delivery and payment. The leaflet supercedes the previous one and any new issue may take place without notice to supercede this edition as and when it becomes necessary.

TECHNICAL DATA SHEET
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