TTR100

Decorative Epoxy Thin-Coat Flooring System

A seamless, roller-applied epoxy floor finish for indoor industrial concrete. The system combines an epoxy primer with a decorative topcoat; optional intermediate and fine-leveling layers can be selected to suit the existing substrate.

SYSTEM FEATURES

Seamless decorative finish / Easy routine cleaning / Selectable colors / Flexible surface preparation

TYPICAL APPLICATIONS

Light-to-medium duty production rooms, assembly workshops, factory corridors, indoor parking sections and general storage areas where a clean, uniform, non-ESD surface is required.

SYSTEM DESIGN

Typical thin-coat design: **0.3-0.5 mm** total nominal build-up over a prepared substrate. Where grinding, repairs, mortar or thicker leveling are necessary, thickness and material quantities must be redesigned for the site.

System Layers and Construction Materials

Typical installation sequence, illustrated from the exposed finish to the concrete base.

1 Decorative topcoat
Roller-applied two-component epoxy finish

2 Fine putty / seal (optional)
Epoxy-compatible pore filling and smoothing

3 Intermediate / mortar (optional)
Epoxy intermediate resin with quartz sand as designed

4 Primer
Two-component compatible epoxy primer

5 Concrete substrate
Ground, repaired, clean and mechanically sound concrete

REFERENCE MATERIAL SCHEDULE

Epoxy primer	A:B = 1:1	Substrate bonding / sealing
Epoxy intermediate	A:B = 4:1	Optional leveling / mortar resin
Epoxy fine putty	By supplied kit	Optional pore closure
Epoxy roller topcoat	A:B = 4:1	Colored decorative wearing surface

Mixing note: These A:B values follow the earlier TUTR internal planning schedule. They are not interchangeable between coats; the component ratio printed on the actual supplied material label always takes precedence.

RECOMMENDED APPLICATION SEQUENCE

01. Grind / shot-blast concrete; remove dust, weak surfaces and contamination.

02. Repair cracks, pinholes and defects; confirm the base is suitable for coating.

03. Prepare and apply the matched epoxy primer.

04. Add epoxy mortar or fine putty if leveling is required; cure, sand and clean.

05. Apply epoxy roller topcoat uniformly; protect the surface during curing.

Reference Application and Material Planning

TYPICAL PLANNING VALUES

Nominal thin-coat build-up	0.3 / 0.4 / 0.5 mm, subject to substrate condition
Primer material planning	Approx. 0.20-0.35 kg/m2; affected by porosity
Roller topcoat planning	Approx. 0.25-0.40 kg/m2 per coat
Intermediate / putty	Calculate separately based on leveling requirements
Substrate	Stable, dry-enough concrete, free of oil / contaminants
Work environment	Check ambient temperature, humidity and dew point
Cure / recoat intervals	As specified in the actual supplied product TDS

DESIGN AND USE LIMITATIONS

These rates are **industry-style preliminary estimates**, not batch-specific coverage guarantees. Final quantities must include actual substrate roughness, selected coat count, trial application and expected site wastage.

TTR100 is intended for ordinary decorative industrial service. For mandatory static control, continuous chemical exposure, severe impact or high heat, a dedicated system is required. Do not treat values in historic brochures as current certified test results.

MATERIAL SUPPLY AND QUOTATION

TUTR supplies epoxy primer, intermediate resin, compatible aggregates / putty and epoxy topcoat, with technical support for system selection. Quotations are based on flooring area, substrate condition, design thickness and actual material coverage.