



ZENDÉCOR VEINA ZD-V

RANGE

ZENDÉCOR (Decorative epoxy flooring)

SYSTEM TYPE

Veined epoxy system — marble effect

NOMINAL BUILD

2 mm · 3 mm variant

1. SYSTEM DESCRIPTION

ZENDÉCOR VEINA ZD-V is a veined epoxy floor that recreates the movement of natural marble and stone in a seamless, jointless surface. The wearing layer is a pigmented self-levelling epoxy placed as a base shade with contrasting shades poured and drawn into it while wet, so the veining is worked into the body of the floor, not printed on it.

Because the veining is created by hand during the pour, no two VEINA floors are alike — a sample shows the shade family and the character of the veining, not an exact pattern.

The finished surface is sealed clear, giving marble depth without marble joints, polishing or porosity.

2. RECOMMENDED USES

- Hospitality — hotels, restaurants, banquet floors
- Offices and reception areas
- Boutiques and retail interiors
- Residential living areas
- Lobbies and corridors
- Showrooms wanting stone aesthetics without joints

3. FEATURES & BENEFITS

- Natural marble and stone aesthetic, seamless
- Veining worked into the wearing body — not a print
- Bespoke — no two floors alike
- Full 1 mm self-levelling wearing layer under the effect
- Special-finish pigments, base and vein shades
- Protective clear seal for depth and wear

4. SYSTEM BUILD-UP

#	Layer	Product / operation	Consumption
1	Surface preparation	Diamond grinding / shot blast to CSP 3	—
2	Primer	ZENPRIME 100	0.18 kg/m ²
3	Levelling screed	ZENLEVEL 200 — 1.0 or 2.0 mm	2.00 / 4.00 kg/m ²
4	Grinding	Full-face diamond grind of the cured screed + vacuum	—
5	Colour base coat	ZENTOP CL 100 + Part D	0.30 kg/m ²
	— Part D pigment	Dispersed into the base coat	0.016 kg/m ²
6	Veined wearing layer	ZENTOP SL 100 — base shade + vein shades, 1.0 mm	2.00 kg/m ²
7	Seal coat	ZENTOP CL 100, clear	0.45 kg/m ²

Consumption figures are practical site values including normal wastage; use them for estimating.

5. SYSTEM DATA

Typical / indicative values. Figures below are typical for this class of system and are stated as minimum declared values, not as a guaranteed specification. Project values are confirmed by POLYZEN batch testing and project commissioning.

Property	Value	Basis
Nominal system thickness	~2 mm with 1 mm screed	~3 mm with 2 mm screed
Total consumption	4.95 kg/m ² (1 mm screed)	6.95 kg/m ² (2 mm screed)
Finish	Smooth, gloss	Veined, marble effect
Appearance	Marble / natural stone movement	Unique to every floor
Slip resistance	Standard — smooth gloss	—
Compressive strength	≥ 50 MPa	ISO 604 — typical
Hardness, Shore D	78 – 82	ASTM D2240 — typical
Service temperature, dry heat	–20 to +60 °C	Typical
UV exposure	Interior use	Direct sun through glazing can amber epoxy over time
Component data	Per component TDS	See section 10

6. CHEMICAL RESISTANCE

Rating	Media
Resistant	Water and salt water · most salt solutions · mineral oils, greases and hydraulic fluids · diesel and petrol · brake fluid · neutral and alkaline detergents · dilute alkalis · dilute mineral acids to 10%
Intermittent spillage	Dilute acetic acid · ethanol and isopropyl alcohol · hypochlorite bleach · dilute hydrogen peroxide · hot water spillage
Not resistant	Concentrated nitric and sulphuric acids · formic acid · phenol · chlorinated solvents · ketones such as acetone and MEK

Ratings are for short intermittent contact at ambient temperature followed by cleaning, and are typical for the binder class. For continuous immersion or aggressive cleaning regimes, refer the specific media to POLYZEN before specifying.

7. SUBSTRATE REQUIREMENTS & PREPARATION

Requirement	Value	Standard
Concrete age	Minimum 28 days, or until the slab is dimensionally stable	—
Concrete compressive strength	Minimum 25 MPa	IS 516 / ASTM C39
Substrate pull-off strength	Minimum 1.5 MPa	ASTM D7234 / C1583
Surface profile after preparation	CSP 3 or greater	ICRI 310.2R
Surface cleanliness	Free of laitance, curing compounds, oil, grease and all bond-inhibiting matter	SSPC-SP 13 / NACE No. 6
Substrate moisture — in-situ RH	Maximum 75% RH	ASTM F2170
Substrate moisture — vapour emission	Maximum 5 lb / 1000 ft² / 24 h	ASTM F1869
Substrate moisture — site check	No visible moisture under plastic sheet	ASTM D4263
Where moisture exceeds the limits	Resin moisture-mitigation membrane before priming	ASTM F3010

8. CURING & PROTECTION

Foot traffic	24 hours at 25°C
Light vehicles	48 hours at 25°C
Full mechanical and chemical cure	7 days at 25°C
Protection during cure	Protect from traffic, water, spillage and dust for at least 48 hours. Do not wash the floor within 7 days.

9. INSTALLATION

Conditions	Ambient and material temperature 0 – 35°C; relative humidity below 65%; substrate at least 3°C above dew point. Application in monsoon conditions is not recommended.
Priming and screed	ZENPRIME 100 (overcoat while tacky, 3 – 4 h), then ZENLEVEL 200 at 1.0 or 2.0 mm, spike rolled.
Grinding	After the screed has cured, diamond grind the whole face flat, then vacuum. This removes tool marks, opens the surface and resets the overcoat window — the decorative work proceeds on a fresh face regardless of when the screed was placed.
Colour base coat	Disperse the shade pigment into ZENTOP CL 100 Part A, add Part B, mix and apply by squeegee and back-roller at 0.30 kg/m². This seals the ground face and lays the base colour of the floor.
Veined layer	Mix the ZENTOP SL 100 kit in the base shade and pour to 1.0 mm. Pour the contrasting vein shades in ribbons and draw the veining with a trowel, brush or vein tool while everything is wet. All shades must go down within the pot life — the vein batches are mixed ready before the base is poured.
Seal coat	After 16 – 24 hours, apply the clear seal by squeegee and back-roller.
Design note	Agree the shade family and veining character on a sample panel before the floor is poured. The panel sets the expectation; the floor will carry the same character, not the same pattern.

10. MAINTENANCE

Routine cleaning	Dust mop or soft broom daily. Wet mop with warm water and a neutral or mild alkaline detergent. Rinse; do not leave detergent residue to dry on the floor.
Never use	Acid-based cleaners, abrasive powders, steel wool or coarse scrubbing pads — these dull the gloss permanently.
Spillage	Clean promptly, particularly staining media, strong chemicals and hot liquids.
Protection in service	Walk-off mats at external entrances; soft wheels or pads under trolleys and furniture; do not drag pallets or machinery across the floor.
Periodic	Inspect high-traffic lanes annually. Gloss worn by traffic is restored with a ZENTOP CL 100 refresh coat after mechanical abrasion — a fraction of the cost of a new floor.

11. COMPONENT PRODUCTS

Component product	Pack	Refer
ZENPRIME 100	7.5 kg kit	POLYZEN/TDS/ZP-100
ZENLEVEL 200	22.5 kg kit	POLYZEN/TDS/ZL-200
ZENTOP SL 100	19.9 kg kit	POLYZEN/TDS/ZT-SL100
ZENTOP CL 100	7.5 kg kit	POLYZEN/TDS/ZT-CL100

Each component is supplied as a pre-measured pack and is covered by its own technical data sheet. Mix full kits only; no part-mixing and no site additions.

POLYZEN INDIA PVT. LTD.

Plot No. 7 & 8, S V Heights, Haritha Vanam Colony Road, Bachupally, Hyderabad, Telangana – 500090
Phone / WhatsApp: +91 80741 26496 | info@polyzen.in | polyzen.in

Doc Ref: POLYZEN/SYS/ZD-V | Edition 08/2026 | This edition supersedes all previous versions.

Basis of data. Values attributed to supplier data are taken from the raw material manufacturer's technical data sheet. Calculated values are design values derived from component densities and mixing ratio. Values marked typical are typical for this class of material and are stated as minimum declared values, not as a guaranteed specification; they are confirmed by POLYZEN batch testing and project commissioning.
Statement of responsibility. The information given reflects present knowledge and experience. It does not relieve the user of the responsibility to verify, by their own trials, that the product is suitable for the intended purpose and conditions of use. Final performance depends on substrate condition, system design, workmanship and service conditions. **Application outside the conditions stated in this sheet voids the written warranty.** Site services, where provided, do not constitute supervisory responsibility. Refer to the Safety Data Sheet before use.