

CHEMFIT FLOOR 2530W

Two Part, Water Dispersed, Solvent Free, Colored Epoxy Coating – For Concrete, Cement Screeds, Broadcast Systems & Epoxy Mortars

PRODUCT DESCRIPTION

ChemFit Floor 2530W is a two part, water dispersed, solvent free, colored epoxy resin based coating formulated for use on concrete, cement screeds, and as a seal coat over broadcast systems and epoxy mortars. The water-based formulation offers low odor and is user-friendly, making it suitable for applications where solvent-based products are restricted.

PRIMARY APPLICATIONS

ChemFit Floor 2530W is recommended for use in conditions such as:

- Colored epoxy coating for concrete and cementitious screeds
- Seal coat over broadcast systems and epoxy mortars
- Protective coating in areas requiring a decorative yet hard-wearing finish
- Coating for floors in industrial and commercial buildings

KEY FEATURES AND BENEFITS

- **Water dispersed** – Low odor, user-friendly, and suitable for indoor applications
- **Solvent free** – Environmentally friendly; safe for use in occupied spaces
- **Colored finish** – Provides an attractive, seamless, and easy-to-clean surface
- **Hard wearing** – Good mechanical strength and abrasion resistance
- **Good chemical resistance** – Resists oils, greases, and mild chemicals
- **Versatile** – Can be used as a standalone coating or as a seal coat over broadcast systems
- **Conforms to DIN 4102-1 Class B1** – Meets flammability requirements for floorings

MECHANICAL PROPERTIES

Property	Value
Adhesion to Concrete	> 1.5 N/mm ² (substrate failure typical)
Shore D Hardness	> 70
Abrasion Resistance	Good
Flammability	Class B1 (DIN 4102-1)

PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance	Part A: Pigmented liquid; Part B: Clear liquid
Color	Range of standard colors available
Basis	Two part, water dispersed epoxy resin
Mix Ratio	Refer to product label (typical 6 kg + 18 kg = 24 kg unit)
Solids Content	Approx. 55 – 65% (by volume)
Pot Life (at +20°C)	40 – 60 minutes
Touch Dry (at +20°C)	4 – 8 hours
Recoat Time (at +20°C)	12 – 24 hours
Full Cure	7 days
Application Temperature	+10°C to +30°C
Relative Humidity	< 80% max.
Substrate Moisture	< 4% (no rising moisture)

PACKAGING AND STORAGE

Packaging:

- 6 kg + 18 kg unit (24 kg total)

Storage:

- Store in original sealed containers at +10°C to +25°C
- Protect from direct sunlight, moisture, and freezing
- Store in dry conditions

Shelf life: 12 months from date of manufacture when stored properly

DOSAGE AND COVERAGE RATES

Application	Consumption (approx.)	Coverage per 24 kg unit
Single coat (standard)	0.25 – 0.35 kg/m ²	70 – 95 m ²
Two coat system	0.50 – 0.70 kg/m ² total	35 – 48 m ²

NOTE: Coverage is approximate; varies with substrate porosity and application method.

APPLICATION GUIDELINES

Surface Preparation:

- Substrate must be sound, clean, dry, and free from dust, oil, grease, laitance, curing compounds, and loose particles
- Mechanically abrade (shot blasting or grinding) to achieve open texture (CSP 2-3)
- Vacuum thoroughly to remove all dust
- Apply compatible epoxy primer to porous substrates (e.g., **ChemFit EpoxyPrime 1400**)

Mixing:

- Pre-mix Part A thoroughly before combining
- Add Part B to Part A according to label ratio (refer to product packaging)
- Mix with low-speed drill (300-400 rpm) for 2-3 minutes until uniform
- Scrape sides and bottom during mixing; avoid air entrapment
- Use within pot life (40-60 minutes at +20°C)

Application:

- Apply by short-nap roller, brush, or airless spray
- For broadcast systems: apply base coat at 1.5-2.0 kg/m², broadcast aggregates, allow to cure, vacuum excess, then apply **ChemFit Floor 2530W** as seal coat at 0.3-0.4 kg/m²
- For standalone coating: apply two thin coats at 0.25-0.35 kg/m² each
- Apply second coat crosswise to the first coat after 12-24 hours (at +20°C)
- Maintain wet edge to avoid lap marks

Curing:

- Protect from dust, moisture, and mechanical damage during cure
- Light foot traffic after 12-16 hours (at +20°C)
- Full chemical resistance after 7 days
- Do not apply below +10°C or if relative humidity exceeds 80%
- Do not apply if substrate temperature is below dew point

HEALTH AND SAFETY

Water dispersed epoxy may cause skin and eye sensitization and irritation. If eye contact occurs, rinse immediately with plenty of water for 15-20 minutes and seek medical attention. For skin contact, wash immediately with soap and water; remove contaminated clothing. If swallowed, do not induce vomiting; rinse mouth and drink water, then seek medical attention. Use gloves (nitrile), safety glasses, and protective clothing during handling. Ensure adequate ventilation. Refer to the Safety Data Sheet for detailed information.

CLEAING OF TOOLS

Clean all brushes, rollers, mixing equipment, and spillages with water immediately after use before material cures. Dried material requires mechanical removal. Dispose of cleaning materials in accordance with local regulations.

APPROVALS AND STANDARDS

ChemFit Floor 2530W complies with the following standards:

- **DIN 4102-1** – Class B1 (combustibility classification for floorings)
- Conforms to requirements for physiological harmlessness (Federal Health Office)
- Conforms to **BS 4247** – Decontamination ability (where applicable)
- Two part, water dispersed, solvent free, colored epoxy coating
- Suitable for concrete, cement screeds, broadcast systems, and epoxy mortars

LEGAL NOTES

All technical data provided in this Product Data Sheet is based on laboratory testing under controlled conditions. Actual field performance may vary due to differences in substrates, application methods, site conditions, and environmental factors. ChemFit makes no warranty of merchantability or fitness for a particular purpose. Users shall conduct their own trials to validate product suitability for the intended application. ChemFit reserves the right to modify product specifications without prior notice. For the most current documentation, request the latest Product Data Sheet and Safety Data Sheet from ChemFit.

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