

EcoTough Floor Topcoat

Two-Component Water-Based Aliphatic-Urethane Coating

An eco-friendly, two-component water-based aliphatic-urethane topcoat delivering high strength, UV resistance and a non-yellowing, high-abrasion finish.

EcoTough Floor Topcoat is a two-component, high-strength water-based coating crosslinked with an aliphatic crosslinker for excellent adhesion to mechanically prepared concrete and mineral substrates. It offers low VOC, low odour, outstanding durability and high UV resistance. It exhibits low dirt pickup, good wet hiding and long-lasting finishes, and can be enhanced with recycled glass for an anti-slip finish.

Non-Yellowing UV Resistance:

Aliphatic crosslinking gives high UV resistance and non-yellowing finishes suitable for interior and exterior use.

Abrasion Resistance:

Excellent abrasion resistance with low dirt pickup, keeping concrete dustproof and durable.

Balanced Hardness:

Well-balanced hardness and high abrasion resistance combined with a fast-drying feature.

Water Repellence:

Good water-repellent coating with strong stain resistance for easy cleaning.

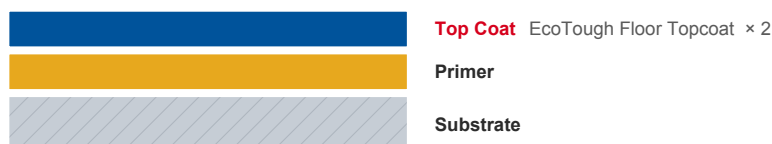
Hygienic Finish:

Suitable as a hygienic coating for walls and floors, and as a versatile topcoat on stone and limestone.

FIELDS OF APPLICATION

- ▶ UV-resistant concrete coating
- ▶ Topcoat on stone and limestone
- ▶ Hygienic wall and floor coatings
- ▶ Non-yellowing abrasion-resistant finishes
- ▶ Anti-slip floor systems

System Design



Technical Profile*

COLOUR

Part A finish **Gloss, satin, matt**

SOLIDS

Part A / Part B, @ 25°C

48 ± 3% / 25 ± 3%

DENSITY

Part A / Part B, @ 25°C

1.18 / 1.0 g/cm³

DENSITY

mixed A + B

1.17 ± 0.05 g/cm³

MIXING RATIO

Part A : Part B, by weight

10 : 1

POT LIFE

@ 25°C

6 hours

PENCIL HARDNESS

> H

GLOSS

measured at 60°

85

SURFACE DRY TIME

@ 28°C

2 hours

TRAFFICABLE TIME

3 hours

SHELF LIFE

Part A / Part B, unopened

1 year / 1 year

* Typical properties of unmixed material at 25°C. Values may vary with site conditions, substrate and application method.

Available in gloss, satin and matt finishes

Applied colours may differ from samples shown on screen or in print. Contact Sparco Paints for the full colour chart and physical samples.



SPARCO PAINTS (S) PTE LTD

ECOTOUGH FLOOR TOPCOAT

Two-Component Water-Based Aliphatic-Urethane Coating

Model Specification

System	EcoTough Floor Topcoat
Type	Two-component water-based aliphatic-urethane
Build-up	EcoTough Floor Primer, then minimum 2 coats topcoat
Manufacturer	Sparco Paints

Preparatory work and application in accordance with manufacturer's instructions.

Surface Preparation

New concrete or cementitious substrates should be at least 28 days old with moisture content below 5%. All laitance and loose materials must be removed. Cracked, damaged or heavily laitanced concrete should be grit blasted, scabbed or mechanically ground until a solid surface with exposed aggregate is reached. On existing surfaces, remove all laitance, loose particles, dust and contaminants; mechanical preparation followed by industrial vacuuming is preferred, and oil, grease and fat contamination should be washed with industrial detergent. Allow to dry until surface relative humidity falls to 75% or less, measured to BS 8201:1987 Appendix A.

Packaging

Product	Pack Size
EcoTough Floor (Part A)	20 kg plastic pail
EcoTough Floor (Part B)	2 kg plastic pail

Warranty

LIMITED WARRANTY: Sparco Paints (S) Pte Ltd warrants that, at the time and place of shipment, our materials will be of good quality and will conform to our published specifications in force on the date of acceptance of the order.

DISCLAIMER: The information contained herein is included for illustrative purposes only and, to the best of our knowledge, is accurate and reliable. As Sparco Paints (S) Pte Ltd has no control over the use to which others may put its products, it is recommended that products be tested to determine suitability for specific applications. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and user shall determine the suitability of the product for its specific application and assume all responsibility in connection therewith.

Application Guidelines

Parameter	Value
Mixing ratio (by weight)	10 : 1
Pot life @ 25°C	6 hours
Surface dry @ 28°C	2 hours
Trafficable time	3 hours
Coats	Minimum 2 coats

IMPORTANT

Substrate must be at least 28 days old with moisture below 5%. Mixed material must be used within the pot life; hot weather and large batches cure faster, so keep mixing time consistent across batches. As a water-based product, keep the floor dew point within 3°C of atmospheric temperature to avoid roller marks.

Product Preparation

Prior to application, store under cover in dry conditions and protect from temperature extremes. Ideally, maintain the product at approximately 25°C for at least 24 hours before mixing.

Mixing: supplied as two pre-weighted parts — no additions or omissions required. Stir each part separately, pour Part B into Part A and blend with a slow-speed drill and paddle for 1 to 2 minutes, scraping the sides and bottom, until a uniform colour and consistency is achieved.

Cleaning

Clean tools and equipment with water immediately after use, before the product dries.

Storage

Shelf life 1 year unopened for both parts, subject to storage conditions. Store under cover in a cool, dry area, protected from temperature extremes.

Health & Safety

EcoTough Floor Topcoat is physiologically harmless once cured. Keep resin and hardener away from eyes, mouth and skin, and avoid breathing the vapours; the uncured mixture can cause skin irritation. Standard safety precautions are advised when handling — refer to the Safety Data Sheet (SDS) for full details.

Technical Assistance

Please contact Sparco Paints (S) Pte Ltd for technical assistance, specification support and application advice.