

COOL BARRIER

Self-Leveling Deco



Product description

This is a three component solvent free, amine cured epoxy resinous decorative floor, filled with superior quality natural granites. It is a high performance product. It is a self-leveling troweled product leaving a seamless surface with high decorative aesthetic value. It is hard yet flexible, abrasion, impact, chemical and slip resistant. To be used as mid coat as part of a complete system in atmospheric environments. Suitable on approved primers on concrete substrates.

Typical use

Suitable for a wide range of floors with various levels of mechanical and chemical exposure. Specially designed for industrial floors, laboratories, hospitals, food and beverage plants, kitchens, manufacturing facilities, dairies, warehouses, factories and hangars. May be used as a scrape coat to cover minor undulations on the surface. In outdoor applications, (sidewalks, pool surroundings etc.) the product mu be top sealed with uv resistant clear finish coats, such as Abolin Cool Barrier STF antistain clear.

Colours

Special Collection

Basic product data

Solids by volume: 99 ± 1 %

Gloss level (GU 60 °): gloss (70-85)

Typical recommended film thickness per coat

Dry film thickness	Wet film thickness	Theoretical spreading rate
3000 µm	3000 µm	0,3 m ² /l (app 5.5 kg per m ²)
5000 µm	5000 µm	0,2 m ² /l (app 9.0 kg per m ²)

Spreading rate depends on film thickness applied, type of texture, surface porosity, imperfections, temperature, wastage during painting etc. Coverage on Non slip aggregate would reduce considerably.

Surface preparation

Clean, dry and undamaged compatible coating (ISO 12944-4 6.1)

Application methods

The product can be applied by

Trowel: For thicknesses from 1.5 mm to 5 mm use a steel trowel or height adjustable steel spreader. For thicknesses from 1000 µm to 1.5 mm the material should be spread out onto the floor using a flat edged trowel.

To avoid air bubbles, it is very important to pierce the coating with a spiked roller when desired film thickness is achieved.

Conditions during application

The temperature of the substrate should be minimum 10 °C and at least 3 °C above the dew point of the air, measured in the vicinity of the substrate. Good ventilation is usually required in confined areas to ensure proper drying. The moisture content in the substrate should not exceed 4 % (by weight). The coating should not be exposed to oil, chemicals or mechanical stress until fully cured.

This product should not be applied on to the surfaces which are known to, or likely to suffer from, rising dampness, potential osmosis problems or have a relative humidity greater than 80%

Product mixing ratio

This is a three component system. Mix the three components below, according to the accompanying labeling recommendations with the pre-fixed containers.

COOL BARRIER SLV Deco Comp A

COOL BARRIER SLV Deco Comp B

COOL BARRIER SLV Deco Comp C

No part mixing of this product. Use a slow speed drill and mixing paddle. The temperature of base and curing agent is recommended to be 18 °C or higher when the paint is mixed.

Component A should be thoroughly stirred before component B is mixed. Mix both the components using a slow speed drill and mixing paddle. The entire content should be poured on to a third container & edges of the container should be scrapped. Mix the material for more 20 second. The mixed material should be given an induction time of 3 minutes before applying.

Cleaning solvent

Thinner: Abolin Thinner No. 300

Drying and Curing time

Substrate temperature	15 °C	23 °C	40 °C
Surface (touch) dry	12 h	9 h	6 h
Walk-on-dry	48 h	36 h	12 h
Dry to over coat, minimum	48 h	36 h	12 h
Dry to over coat, maximum	96 h	48 h	36 h
Dried/cured for service	12 d	9 d	3 d

Surface (touch) dry: The state of drying when slight pressure with a finger does not leave an imprint or reveal tackiness.

Walk-on-dry: Minimum time before the coating can tolerate normal foot traffic without permanent marks, imprints or other physical damage.

Dry to over coat, minimum: The shortest time allowed before the next coat can be applied.

Dry to over coat, maximum: The longest time allowed before the next coat can be applied.

Dried/cured for service: Minimum time before the coating can be permanently exposed to the intended environment/medium.

Pot life

This Technical Data Sheet supersedes those previously issued. The Technical Data Sheet (TDS) is recommended to be read in conjunction with the Safety Data Sheet (SDS) and the of this product. www.abolinco.com

Pot life 20 min, 23 °C

Product compatibility

Depending on the actual exposure of the coating system, various primers and topcoats can be used in combination with this product. Some examples are shown below. Contact abolin for specific system recommendation.

Previous coat: Abolin Cool Barrier SLV SEALER

Subsequent coat: epoxy, polyurethane.

Performance data at 23±2 °C and 50±5% RH

Compressive Strength	50 N/mm ²
Tensile Strength	43 N/mm ²
Flextural Strength	60 N/mm ²

Storage

The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Shelf life at 23 °C

COOL BARRIER SLV Deco Comp A - 12 month(s)

COOL BARRIER SLV Deco Comp B - 24 month(s)

COOL BARRIER SLV Deco Comp C - 24 month(s)

Caution

This product is for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to Abolin's technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product. This guideline is given based on the current knowledge of the product. Any suggested deviation to suit the site conditions shall be forwarded to the responsible abolin representative for approval before commencing the work.

Health and safety

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not inhale spray mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

Disclaimer

The information in this document is given to the best of Abolin's knowledge, based on laboratory testing and practical experience. Abolin's products are considered as semi-finished goods and as such, products are often used under conditions beyond Abolin's control. Abolin cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. Abolin reserves the right to change the given data without further notice. Users should always consult Abolin for specific guidance on the general suitability of this product for their needs and specific application practices.

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