

COOL BARRIER SLV Top Coat



Product description

This is a two component amine cured solvent free epoxy coating. It is a high performance product. It is a self-smoothing, easy to apply product, leaving a seamless surface. It has very good chemical and excellent abrasion and impact resistance. To be used as finish coat in atmospheric environments. Can be applied on approved primers depending on the conditions of the concrete substrate. This product can be used with special classified aggregates in case anti-slip final surface profiles are required.

Typical use

Designed for a wide range of floors with various levels of mechanical and chemical exposure. Recommended for workshops, carparks, garages, dairies, factories, laboratories, aircraft hangars, food, beverage and plant rooms where non-slip properties are required.

Colours

Ral Colours

Basic product data

Solids by volume: $99 \pm 1 \%$

Gloss level (GU 60 °): gloss (70-85)

Typical recommended film thickness per coat

Dry film thickness	Wet film thickness	Theoretical spreading rate
500 μm	500 μm	2 m^2/l

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

Concrete and Coated surfaces: Clean, dry and undamaged compatible coating as per SSPC SP13/NACE NO 6/ASTM D4258 -05 /ACI 503.6R-97/SSPC-TR 5/ICRI TECHNICAL GUIDELINE 03741/NACE02203 Laitance deposits are best removed by Planetary diamond disc grinder or by captive blasting followed by vacuum cleaning to remove dust debris. For old concrete, a technical team should visit the site and appropriate surface preparation methodology should be recommended and that is to be followed.

Application methods

The product can be applied by:

Brush: Recommended to paint corners and edges.

Roller: Use small fibre pile 2 roller.

After achieving the desired thickness and to avoid air bubbles, it is very important to pierce the coating with a spiked roller.

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 (Components Size of Containers)

COOL BARRIER SLV Top Coat A - 20 lit drum

COOL BARRIER SLV Top Coat B - 5 lit drum

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.

Thinner/Cleaning solvent

Thinner: Abolin Thinner No. 300

Drying and Curing time

Substrate temperature	23 °C	40 °C
Surface (touch) dry	24 h	12 h
Walk-on-dry	30 h	18 h
Dry to over coat, minimum	24 h	14 h
Dry to over coat, maximum	3 d	48 h
Dried/cured for service	7 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

Pot life 20 min, 23 °C

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

Compressive Strength	60 N/mm ²
Tensile Strength	23,5 N/mm ²
Flextural Strength	4.7 N/mm ²
Shore 'A' hardness	97

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 Top Coat Comp A - 12 month(s)

COOL BARRIER SLV Top Coat B - 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.

Colour variation

When applicable, products primarily meant for use as primers may have slight colour variations from batch to batch. Such products may fade and chalk when exposed to sunlight and weathering.

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. If there is any inconsistency between different language issues of this document, the English (United Kingdom) version will prevail.

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