ISO 9001:2015 ISO 14001:2015 ISO 45001:2018

SpEC

SpECtop ARE125

HIGH PERFORMANCE EPOXY FLOOR COATING


Traffic & mechanical wear


Chemical Resistance


Slip Resistance


Hygiene


Impact Resistance


Waterproof


Cleaning & Maintenance


Colour Shades

DESCRIPTION

SpECtop ARE125 is a high performance solvent based epoxy coating consisting of two components for mixing on-site. The coating, once cured, provides a strong layer with good adhesion to cementitious and steel substrates.

TYPICAL USES

SpECtop ARE125 may be used in industrial and commercial situations to provide a hard wearing, acid resistant coating to floors such as:

- Production areas
- Dairies
- Beverage production and bottling plants
- Car parks
- Kitchens
- Electro-plating shops
- Processing plants

ADVANTAGES

- High durability, requires low maintenance
- Excellent resistance to a wide range of chemicals
- Easy to clean, hygienic finish
- Available in a range of colours to demarcate areas and provide light reflectance

TECHNICAL DATA

Typical results @	***20°C***	***30°C***
Pot life	4 hrs	2 hrs
Intercoat time (min)	10 hrs	5 hrs
Intercoat time (max)	30 hrs	24 hrs
Tack free time	6 hrs	3 hrs
Exposure times		
Foot traffic	24 hrs	12 hrs
Vehicular Traffic	48 hrs	24 hrs
Chemicals	10 days	7 days
Full cure @ 30°C	7 days	
Typical system thickness (dft, excluding NS Grains)	125µm	

CHEMICAL RESISTANCE CHART

10% Lactic Acid	Excellent
15% Lactic Acid	Excellent
10% Citric Acid	Excellent
50% Phosphoric Acid	Excellent
50% Hydrochloric Acid	Excellent
50% Sulphuric Acid	Excellent
10% Nitric Acid	Excellent
Concentrated Bleach	Excellent
Saturated Sugar Solution	Excellent
Saturated Urea Solution	Excellent
White spirit	Excellent
Oils	Excellent
Petrol	Excellent
Diesel	Excellent
Greases	Excellent
Xylene	Excellent
10% Ammonia	Excellent
50% Caustic Soda	Excellent
Skydrol	Good

Notes:

- **SpECtop ARE125** should not be subjected to chemicals until fully cured (min 7 days @ 30°C)
- If chemical spillage occurs, immediately remove the spillage and wash down with water to prevent any attack or discolouration

APPLICATION

Preparation

It is essential that adequate preparation is carried out prior to the application of **SpECtop ARE125**.

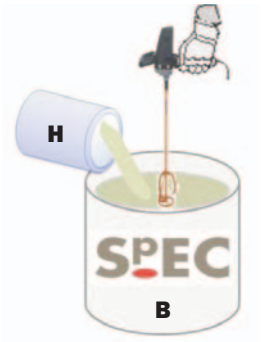
Concrete

Light sweep blasting is strongly recommended to ensure the removal of all laitance, grease and oil.

Mixing

SpECtop ARE125 is supplied in a two-component kit consisting of a pigmented base component and a curing agent.

Both of the components should be briefly stirred to ensure that any settlement products are fully suspended.



The entire contents of the curing agent should be emptied into the base components ensuring that the sides of the curing agent tin are carefully scraped to removal all of the material.

Application

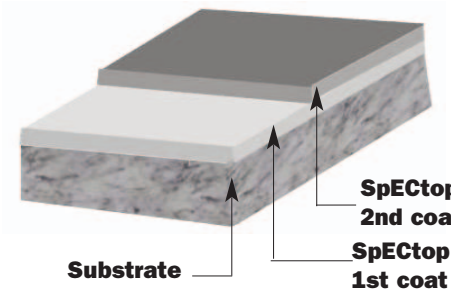
The mixed product may be applied by brush or roller.

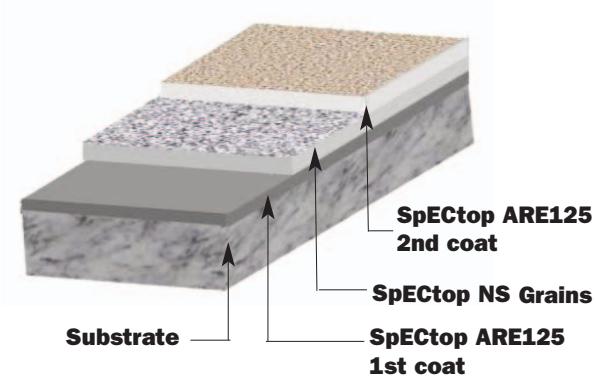
The quantity of material used per coat and the number of coats may vary depending on the porosity of the substrate and the surface profile. The application of excessive volumes of product should be avoided as this will result in solvent entrapment affecting both surface finish and the subsequent performances of the coating.

Slip resistant finish

If a slip resistant finish is to be provided then **SpECtop NS GRAINS** is required. **SpECtop NS GRAINS** are supplied in pre-weighed bags.

For a slip resistant profile the first coat of **SpECtop ARE125** should be completely blinded with **SpECtop NS GRAINS**. This should be carried out while the coating is still wet. When the first coat has reached its initial cure (12 hours @ 20°C), the excess aggregate should be removed and the surface vacuumed to remove any residue. The topcoat is then applied.





EQUIPMENT CLEANING

All equipment may be cleaned of uncured material using **SpECtop Cleaning Fluid**.

APPLICATION TEMPERATURE RANGE

Minimum	5°C
Maximum	35°C

At ambient temperatures above the quoted maximum the pot life will be reduced.

PACKAGING AND YIELD

SpECtop ARE125 is supplied in the pack sizes given below with the following recommended coverage rate.

SpECtop ARE125

4.5 litres and 15 litres

@ 100µm wft: 10 m²/litre (0.010m³) per coat (minimum 2 coats)

SpECtop NS GRAINS	25kg bags @ 2kg net/m²
Size	0.4 - 0.7mm

STORAGE AND SHELF LIFE

When stored in a cool environment, in original unopened containers, the material has a shelf life of 12 months.

HEALTH AND SAFETY

Contact with skin and eyes should be avoided. It is essential that adequate ventilation is provided and all personnel should avoid inhaling the vapours produced. If working is necessary in confined areas it is strongly recommended that sealed respiratory equipment is utilized.

Eye Contact

Rinse with copious amounts of clean water and seek medical attention.

Skin Contact

Rinse with copious amounts of clean water followed by thorough cleaning with soap and water. DO NOT USE SOLVENTS

Ingestion

Seek immediate medical attention. DO NOT INDUCE VOMITING

FLAMMABILITY

SpECtop ARE125 and **SpECtop Cleaning Fluid** are flammable. Do not expose to naked flames or other sources of ignition.

FLASHPOINT

SpECtop ARE125	>60°C
SpECtop Cleaning Fluid	>40°C

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SPECIALITY ENGINEERING CHEMICALS
PO Box 61347, Dubai, United Arab Emirates. Telephone: +971 4 883 6662, Fax: +971 4 883 7696
E-mail: info@spec.ae
www.spec.ws