

ATB-300® SC (0.5 - 1 mm)



Description

A spray applied "shrink-free" vinyl ester resin based coating system with outstanding chemical, thermal and mechanical resistance. Applied up to 1 mm thick.

Uses

For protection of concrete and metal structures subject to continuous or occasional exposure to heavy duty chemical, thermal and mechanical attack.

Benefits

- Excellent thermal resistance, up to 145 °C.
- Excellent chemical resistance.
- Fast curing – usually walk on within 12 hours.
- Hygienic – easy to clean.
- High abrasion resistance.
- UV resistant.
- Each installation matched to clients specific requirements.

Project References

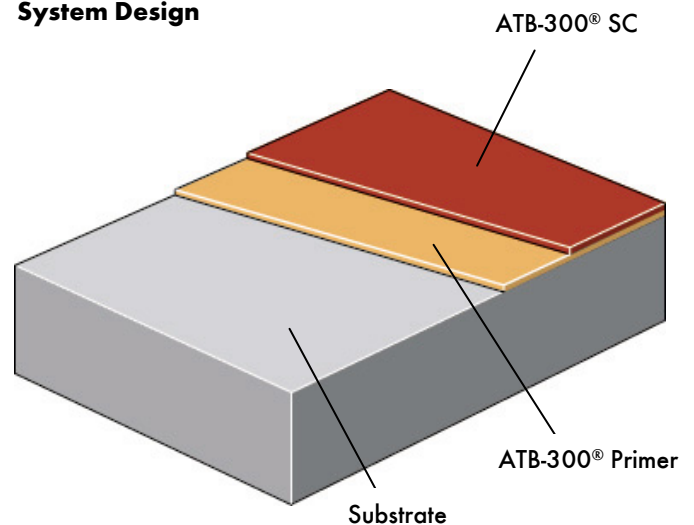
Solvay Elektrolysespezialitaeten GmbH - Germany.
Phillips Electronics - Netherlands.
Sucrierie Oreya - Belgium

Colours

Mid Grey



System Design



Model Specification

Product: ATB-300® SC
Finish: Matt
Thickness: 0.5 - 1 mm
Colour: Mid Grey
Preparatory work and application in accordance with suppliers instructions.
Supplier: Flowcrete UK Ltd.
Telephone : Customer Service - +44 (0) 1270 753000

Substrate Requirements

Reinforced concrete substrates should be capable of producing 1.5 N/mm² "pull-off" values and, following preparation, be free from laitance, dust and other contamination. The substrate should be visibly dry with a moisture content not exceeding 5% by weight, or 75% RH as per BS8204, and free from rising damp and ground water pressure. If no damp proof membrane is present, Hydraseal DPM can be incorporated directly beneath the ATB-300® system.

Products Included in this System

Primer: ATB-300® Primer @ 0.35 kg/m²
Finish: ATB-300® SC @ 1.7 kg/m²
(At ~1 mm thickness)

NB: Specifications are written for each installation to meet the clients particular requirements.

Installation Service

The installation should be carried out by a Flowcrete approved contractor with a documented quality assurance scheme. Obtain details of our approved contractors by contacting our customer service team or enquiring via our web site www.flowcrete.com

Environmental considerations

The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless surface reduce the need for repairs, maintenance and cleaning. Environmental and health considerations are controlled during manufacture and application of the products by Flowcrete staff and fully trained and experienced contractors.

Focus on the Floorzone

Flowcrete Group plc are world leaders in specialist industrial and commercial flooring. Systems available include: underfloor heating systems, floor screeds, surface damp proof membranes, decorative floor finishes, seamless terrazzo, car park deck waterproofing, corrosion resistant systems... to name just a few.

Our objective is to satisfy your Floorzone needs.

Technical Information

The figures that follow are typical properties achieved in laboratory tests at 20 °C and at 50% Relative Humidity. A range is given to cover results from the various systems.

Temperature Resistance	Tolerant up to 145 °C (ASTM D 648-56)
Chemical Resistance	Go to www.flowcrete.com
Barcol hardness	> 40 (ASTM D 2583)
E-Modulus	3.1 GPa (ASTM D 695)
Volume Shrinkage	< 0.004 % Rill 4 2.5.3.2.1
Flexural Strength	125 MPa (ASTM D 790)
Tensile Strength	73 MPa (ASTM D 638)
Adhesion	>4 Mpa (Note: substrate failure.)
Density	1.7

Speed of Cure

	20°C
Light traffic	12 hours
Full traffic	24 hours
Full chemical cure	72 hours

The speed of cure can be controlled to a large extent by varying the accelerator concentration.

Life Expectancy

5 - 10 years dependant on the service conditions and the maintenance regime.

Aftercare - Cleaning and Maintenance

Clean floors regularly using a single or double headed rotary scrubber drier in conjunction with a mildly alkaline detergent.

Important Note

Flowcrete's products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request.

Further Information

To ensure you are specifying a fit for purpose flooring for your project please consult our Technical Advisors on the number below or visit our website to register your interest in specifying one of the most durable floors on the market.