

PRODUCT DESCRIPTION

Stonhard ATM Primer is a two-component, epoxy based, static dissipative primer system. It is applied to a properly prepared and primed surface for use with Stonlux ESD and Stonkote AT5.

USES, APPLICATIONS

Stonhard ATM Primer is a static dissipative material designed for use with Stonlux ESD overlayment and Stonkote AT5 coatings. The overall resistance of the Stonlux ESD and AT5 coating will fall between 1×10^6 ohms and 1×10^9 ohms.

PACKAGING

ATM Primer is packaged in units for easy handling. Each unit consists of:

- 1 carton containing:
 - 2 foil bags of ATM Primer amine
 - (2) 1 gallon cans of ATM Primer Resin

COVERAGE

One unit of ATM Primer will cover 56 m² of primed substrate. One batch of ATM Primer is made up of one foil bag of amine and one can of Resin. Each batch will cover 28 m².

STORAGE CONDITIONS

Store both components of ATM Primer between 16 to 29°C in a dry area. Avoid excessive heat. Do not freeze. The shelf life is 3 years in the original, unopened container.

SUBSTRATE PREPERATION

ATM Primer should only be applied to a properly prepared and primed surface that is free of contaminants and voids. For Stonlux AT, the Standard/SL Primer must be fully cured and checked for pinholes prior to applying the ATM Primer. If the Standard/SL Primer has cured for more than 48 hours, it must be sanded and vacuumed clean to assure an adequate bond.

MIXING

Note: Do not start mixing until the surface is properly primed and pinhole free, with the temperature of both the ATM Primer and the surface at least 16°C.

Pre-mix the Part B for 30 seconds to redistribute the graphite and fibres. Empty the contents of Part A into the Part B container. Mix with a slow-speed drill and Jiffy Mixer for 1½ to 2 minutes.

PHYSICAL CHARACTERISTICS

Pot Life	20 to 25 minutes @ 21°C
Application Temperature Range	Ambient and substrate temperatures should be between 16°C and 32°C
V.O.C.	46 g/l

Note: The above physical proper ties were measured in accordance with the referenced standards. Samples of the actual floor system, including binder and filler, were used as test specimens.

POT LIFE

After mixing, ATM Primer has a working time of approximately 20 to 25 minutes at 21°C. The working time may vary depending upon ambient and surface conditions.

APPLYING

ATM Primer must be applied using a rubber squeegee and back-rolled with a medium nap roller. It is important to obtain the proper coverage. Application of the Stonlux overlayment or Stonkote AT5 may proceed only after the ATM Primer has cured tack-free, the surface has been checked for voids and the conductivity range has been verified.

CURING

The surface of ATM Primer will be tack-free in 8 hours at 25°C. At this time, overlayment can begin.

TESTING PRIMER

Once the primer is tack-free, it must be tested for proper conductivity. The average readings should range from 1 to 20 megohms at 100 volts. If these readings are not obtained, contact Stonhard's Technical Service Department.

RECOMMENDATIONS

- Minimum ambient and surface temperature is 16°C at the time of application.
- Apply only to a clean, sound and properly prepared surface.
- Clean tools immediately with either scouring pads and water, or mineral spirits. Hardened material will require mechanical removal.

PRECAUTIONS

- Both liquid Parts A and B are skin and eye irritants – avoid contact. The use of safety glasses and impervious gloves is recommended.
- In case of contact, flush area with water for 15 minutes and seek medical attention. Wash skin with soap and water.
- Use only with adequate ventilation.

NOTES

- Material Safety Data Sheets for ATM Primer are available on line at www.stonhard.com under Tech Info or upon request.
- A staff of technical service engineers is available to assist with application, or to answer questions related to Stonhard products.
- Requests for technical service or literature can be made through local sales representatives and offices, or corporate offices located worldwide.

STATIC CONTROL PROPERTIES

ATM Primer has been specifically designed to comply with the ANSI/ESD S20.20 specification for the protection of electrical and electronic parts, assemblies and equipment.

Surface Resistance (ESD-S7.1)	< 500 megohms
Body Voltage Generation (ESD STM97.2)	< 100 volts*

**Body Voltage Generation is not solely a function of flooring conductivity but is a combination of many factors, including footwear and environmental conditions. Your specific environment and choice of footwear may yield slightly different results.*

Electrostatic Discharge (ESD) flooring has a variety of applications from microchip manufacturing to military ordinance. Therefore, each facility may have unique resistance requirements based on their individual ESD programs. It is important to identify the resistance requirements and test method used for each project prior to installing any ESD flooring.

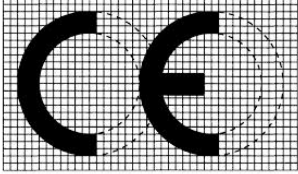
ELECTRICAL TESTING

Once the primer is tack-free, it must be tested for proper conductivity. Point-to-point and point-to-ground readings should be taken and all values should fall below 2.0×10^7 ohms(Ω).

Note: Stonhard tests all floors in accordance with the ESD S7.1 test method. Various other ESD standards and test methods are available and they each have their own unique parameters. Please contact the Stonhard's technical service department if you wish to use a different test method

CE MARKING

The harmonized European Standard EN 13813 "Screed material and floor screeds - Screed materials - Properties and requirements" specifies the requirements for screed materials for use in floor construction internally. Resinous flooring systems as well as resinous screeds fall under this specification they have to be CE-labelled as **per Annex ZA., Table ZA.1.5 and 3.3** and fulfil the requirements of the given mandate of the Construction Products Regulation no. 305/2011

	
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EC-DOP-2013.09-012	
EN 13813 SR-B2.0	
Synthetic resin flooring system for use internally in buildings ¹ (system as per Product Data Sheet)	
Release of corrosive substances:	SR
Adhesion strength by pull off test:	> B2.0
Chemical resistance:	CRG ²
¹ Tested as part of a system build-up with Stonlux AT	
² CRG: see Stonhard Chemical Resistance Guide	

IMPORTANT:

Stonhard believes the information contained here to be true and accurate as of the date of publication. Stonhard makes no warranty, expressed or implied, based on this literature and assumes no responsibility for consequential or incidental damages in the use of the systems described, including any warranty of merchantability or fitness. Information contained here is for evaluation only. We further reserve the right to modify and change products or literature at any time and without prior notice.

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