

PRODUCT DESCRIPTION

Stonkote AT5 is a four-component, nuisance static control epoxy coating. It is formulated to improve cleanability and control static charge generation. Stonkote AT5 is easily applied and hardens to an attractive gloss finish.

USES, APPLICATIONS

Stonkote AT5 is a nuisance static control coating designed for use wherever a high solids, corrosion resistant, gloss coating is required. It may be applied on various substrates. Some applications of Stonkote AT5 are:

- In conjunction with ATK Primer to control static charge generation
- In conjunction with Stonclad ESD to provide an optional nonblack system while maintaining respective resistance readings

PRODUCT ADVANTAGES

- Durable, gloss finish permits easy cleaning and maintenance
- Factory proportioned packaging ensures consistent, high quality and simplified mixing
- Static charge generation control even in low humidity environments

PRODUCT LIMITATIONS

Stonkote AT5 is designed for areas with foot traffic and light cart traffic only. If impact damage or high traffic is a concern then the recommended system is Stonshield ESD. Since Stonkote AT5 utilizes a black conductive primer any chipping or wear of the topcoat will stand out.

Stonkote AT5 is a static generation and discharge control coating. It is designed to eliminate the build up of static charge even in low humidity environments. Stonkote AT5 is not designed as a true ESD system where the range of resistance values are consistent and repeatable. Stonkote AT5 will have conductivity readings and will control static build up, but it is not possible to guarantee that all conductivity readings will fall within a certain resistance range. If a true ESD system is required, Stonhard has other options, contact your local Stonhard representative or Stonhard Technical Service Department.

PACKAGING

Stonkote AT5 is packaged in units for easy handling. Each unit consists of:

Primer ATK

- 1.25 cartons of Primer ATK A containing:
2 bags of Amine
- 1.25 cartons of Primer ATK B containing:
2 cans of Conductive Resin

PHYSICAL CHARACTERISTICS

Pot Life (@ 25°C)	20 minutes
Coverage (@ 102 µm, DFT)	69.7 m ² per unit
Cure Rate (@ 25°C)	8 hours for light traffic 24 hours for normal operations
VOC Content (ASTM D-2369, Method E)	Stonkote AT5 74 g/l ATK primer 97 g/l

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

Stonkote AT5

1 carton of Stonkote HT4 containing:

- 4 foil bags of Amine
- 4 poly bags of Resin

1 carton of Stonkote AT5/ Stonchem 691 Part C containing:

- 4 poly bags of Part C (fibers)
- 4 foil bags of Part C-I

Note: Each standard mix of Stonkote HT4 requires one Part C and one Part C-I.

COVERAGE

Stonkote AT5 coverage is 69.7 m² per unit at 102 to 127 µm dry film thickness (DFT). If Stonkote AT5 is applied thicker than 127 µm it could negatively affect the conductivity readings.

STORAGE CONDITIONS

Store all components of Stonkote AT5 between 18 to 30°C in a dry area. Avoid excessive heat and do not freeze. The shelf life is 3 years in the original, unopened container.

COLOR

Stonkote AT5 is available in 10 standard colors. Custom colors are available upon request. **The lightest standard color that can be installed is Pewter duet o shadowing.**

SUBSTRATE

The Stonkote AT5 system consists of a conductive primer layer and the topcoat layer. It is not designed to be installed directly over a concrete substrate and it is recommended that it be installed over a troweled mortar base. If a substrate other than a troweled mortar base, or existing polymer system is being considered, contact Stonhard's Technical Service Department for recommendations.

SUBSTRATE PREPARATION

Proper preparation is critical to ensure an adequate bond and system performance. The substrate must be dry and properly prepared utilizing mechanical methods. Questions regarding substrate preparation should be directed to your local Stonhard representative or Technical Service

PRIMING

For applications over concrete, HT Primer is required prior to the application of ATK Primer to eliminate soak-in and ensure the primer will test in the acceptable range. For applications over Stonclad GS or Stonclad HT, the HT Primer step can be omitted. Apply the ATK Primer directly over the Stonclad GS or Stonclad HT. See ATK Primer Product Data Sheet for complete application instructions.

MIXING

- Stonkote AT5 is supplied in factory proportioned quantities.
- To achieve thorough and proper mixing, the Stonkote AT5 must be mechanically mixed using a heavy-duty, slow-speed drill (400 to 600 rpm) with a Jiffy Mixer.
- Add one of each Stonkote AT5 Parts C and C-I to one bag of Stonkote HT4 resin and mix for one minute.
- Add the Part A and thoroughly mix for one additional minute.
- Avoid high-speed mixing that will entrain air into the mix.

Note: Packaging for Stonkote HT4 custom colors is different than the standard. Contact Stonhard's Technical Service Department for information on mixing custom colors.

APPLYING

- The AT5 must be applied immediately after mixing the four components.
- Stonkote AT5 is applied with a rubber squeegee and medium nap roller. The roller is used to remove squeegee lines and smooth out the surface.
- Any questions regarding the application of Stonkote AT5 should be directed to Stonhard's Technical Service Department.

Note: Proper coverage is important to ensure that the floor will maintain good static control properties.

ELECTRICAL TESTING

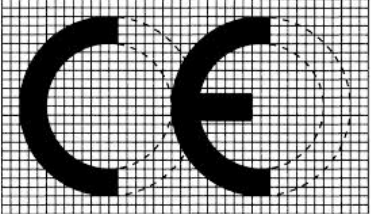
- While Stonkote AT5 is a static control coating, it is important to note that it is not an ESD system. Therefore, you will get conductivity readings, but it is not possible to guarantee that all readings will fall within a certain resistance range.
- Once the ATK Primer layer is tack-free, it must be tested for proper conductivity. Point-to-point and point-to-ground readings should be taken.
- The floor must also be tested after the application of Stonkote AT5. Once the Stonkote AT5 is tack-free, point-to-point and point-to-ground readings should be taken.

NOTES

- Procedures for maintenance of the flooring system during operations are described in the Stonkleen Floor Cleaning Procedures Brochure.
- For environments not referenced in the Chemical Resistance Guide, consult Stonhard's Technical Service Department for recommendations.
- Safety Data Sheets for Stonkote AT5 are available on line at www.stoncor-europe.com under Products or upon request.
- A staff of technical service engineers is available to assist with product application or to answer questions related to Stonhard products.
- Requests for technical literature or service can be made through local sales representatives and offices, or corporate offices located worldwide.
- A NIOSH-approved air purifying respirator (APR) equipped with organic vapor/acid gas cartridges should be used in situations where there is not adequate ventilation.
- The use of safety glasses and impervious gloves is required during application.
- Avoid contact with all liquid amine and resin as they may cause skin and/or eye irritation. Workmen should cover hands with rubber gloves.
- Use only with adequate ventilation. An N-95 dust mask must be worn during all grinding and sanding steps.
- The appearance of all floor, wall and lining systems will change over time due to normal wear, abrasion, traffic and cleaning. Generally, high gloss coatings are subject to a reduction in gloss, while matte finish coatings can increase in gloss level under normal operating conditions.
- Surface texture of resinous flooring surfaces can change over time as a result of wear and surface contaminants. Surfaces should be cleaned regularly and deep cleaned periodically to ensure no contaminant buildup occurs. Surfaces should be periodically inspected to ensure they are performing as expected and may require traction-enhancing maintenance to ensure they continue to meet expectations for the particular area and conditions of use.

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-labeled as **per Annex ZA., Table ZA.1.5 and 3.2** and fulfill the requirements of the given mandate of the Construction Products Regulation no. 305/2011


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EN 13813 SR-AR1.0-B2.0
Synthetic resin coating system for use internally in buildings ³ (system as per Product Data Sheet)
Release of corrosive substances: SR
Wear resistance: ≤ AR1.0
Adhesion strength by pull-off test: > B2.0
Chemical resistance: CRG ²
(1) NPD: No Performance Determined
(2) CRG: see Stonhard Chemical Resistance Guide
(3) Tested as part of a system build-up with Stonclad GS

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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