

Statguard®導電性接着剤

MODEL: 81327 取扱説明書

文書番号 TBJ-5029

DESCO ASIA

DESCO JAPAN 株式会社

〈はじめに〉

この度は、Statguard®導電性接着剤をお買い上げいただき誠にありがとうございます。
本製品は、静電管理フロアタイルの下に柔軟な電気接地面を作り出すために、特許を得た Thunderon Matrix 技術の導電性粘着剤を混ぜ合わせた高品質のアクリル乳液で、導電性能とともに一貫して粘着性を維持します。無害・不燃性かつ耐水性です。徹底した導電性を持ち、強力かつ柔軟で長期間にわたって接着状態を保ちます。また、寸法は変わらないフロア製品の設置用に作られており、ゴム製タイルやシートフロアだけではなくカーペットタイルやビニールタイルの設置にもご使用いただけます。圧力に敏感な特性により、通気性のない下地を覆って通気性のないフロアタイルを設置する際の問題を取り除きます。本製品はカリフォルニア支局 65 のような OSHA や連邦、州、地域の規則に定義される有害もしくは発がん性のある成分は含まれておらず、M-4277 は ASTM E-84 に則って延焼性等級 Class A のためのすべての可燃性要件を満たしています。



ご注意

- (1)本書の内容の一部または全部を無断転載することは禁止されています。
- (2)本書の内容に関しては将来予告なしに変更することがあります。
- (3)本書の内容について万全を期して作成致しましたが、万一ご不審な点や誤り、記載もれ等お気づきの事がありましたら、ご連絡下さい。

<物理的特性>

主成分	アクリル
色	白
重量	4.4kg
保存期限	21°Cの環境下で1年間(未開封)
冷凍/解凍	-17.8°Cで5回可能
電気抵抗(硬化後)	ANSI/ESD STM7.1に準拠し、Rp-p $1 \times 10^6 \Omega$ 未満

<範囲>

1.6 mm幅の切込みが入ったコテを使用して、1 リットル当たり 4.5 m²~6 m²の範囲を塗布することができます。塗布範囲は下張り床の気孔率によって変わります。

<準備>

適切な接着を施すために、表面全体が清潔かつ乾燥していて、塵や油汚れ、塗料、油分、剥がれた接着剤、硬化剤、下地塗料、その他異質な物質がないようにしてください。コンクリート下地上に使用する場合は、新しいか古いかに関わらず蒸気/湿気排出についてテストしなければなりません。いかなる等級であってもテストが必要です。テストは、ASTM F 1869 塩化カルシウムおよび ASTM F 2170 相対湿度テストの手順に則って行ってください。タイルと接着剤は 18°C以上の環境下で保管し、48 時間以上経過してからご使用ください。

注意: ASTM 蒸気/湿気テストを実施する際は、承認された産業基準を参照にしてください。どのような蒸気/湿気テストの場合も実施前に必ず、ASTM テスト方法要件に則って、建物が完全に閉鎖され適切に処理されているかどうかを確認してください。もし ASTM F 1869 塩化カルシウムテストを実施する際にいくつかのテストポイントが ASTM F 2170 に準拠した 75%RH もしくは 1.3 kgを超えている場合は、Statguard®にご連絡ください。蒸気/湿気の防止について等、本製品の使用方法に関するご質問・ご相談は、Statguard® 担当者 Service@StatguardFlooring.com までご連絡ください。残りの接着剤や硬化剤、下地塗料等は完全に除去できなくてはなりません。ひび割れや凸凹がある箇所は修正剤で補修してください。

<塗布>

1.6 mm幅の切込みが入ったコテを使用します。全体に塗布できるようにしっかりと塗り広げてください。絶対にローラーはしようしないでください！！ タイルを敷く前に接着剤を乾かすために約 45~60 分放置し、45kg の 3 セクションローラーを使って伸ばします。この状態から約 3 時間以内に接着剤上にタイルを敷いてください。

注意: タイル設置後 48 時間は 21°C前後の温度を必ず維持してください。

<塗布方法>

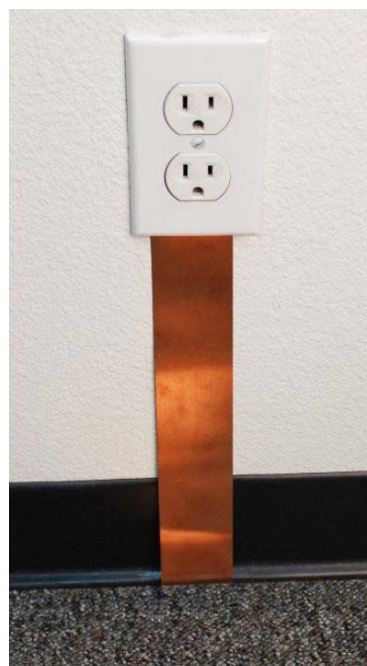
1. Statguard®フロア製品の設置説明書を参考にします。設置する前に、使用する予定の承認された基板や下張り床準備等すべての材料の適合性を確認するために、すべてのメーカーの推奨を参考にしてください。
2. 下張り床は清潔かつ乾燥していて、接着ボンドの効果を下げ得る下地塗料を含むいかなる汚れもない状態にしてください。
3. 下張り床が多孔性の場合は接着剤を吸収してしまう可能性があります。そのため、互換性のある下塗剤で下張り床を下塗りすることをお勧めいたします。
4. 位置決めや切断、継ぎ目、メンテナンスに関しては、すべてのフローアーカバーのメーカー推奨をご参照ください。
5. 推奨されたコテを使って接着剤を塗り広げます。所定の乾燥時間後にタイルを貼ると後にタイルを貼り変えることが可能です。しかし、接着剤が乾燥していない状況でタイルを貼った場合には永久的にタイルを剥がすことができなくなる可能性があります。
6. メーカー推奨に則ってフローアーカバーにロールをかけます。
7. 接着剤が適切に硬化するために、最低でも 60 日間はフローアーカバーを濡れ拭きしないでください。

<掃除>

濡れた接着剤は湿らせた布で直ちに拭き取ってください。乾いた接着剤を取り除く際は軽油を使います。

<接地>

弊社では、全体にわたって 100 m²毎に 1 つの銅製接地ストリップを設置することをお勧めしています。カーペットタイルの裏面としっかりと接触させるために、接地ストリップの先端を剥がすことのできる接着剤の薄いコーティングに付けます。



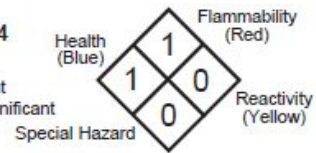
Material Safety Data Sheet

May be used to comply with ANSI Z400.1-2004, 29 CFR 1910.1200, European 2001/58/EC, REACH 1907/2006/EC, and GHS. Standard must be consulted for specific requirements.

NFPA Designation 704

Degree of Hazard
4 = Extreme
3 = High
2 = Moderate

1 = Slight
0 = Insignificant



HMS RATING: Health: 1 Reactivity: 0 Flammability: 1 Personal Protection: B Goggles, Gloves

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name/Identity: Statguard® Conductive Clear Adhesive
Chemical Name and Synonyms: Adhesive blend based on acrylic copolymer dispersion
Chemical Family: Acrylic copolymer dispersion
Molecular Formula: Not applicable
Product Description: Water-based acrylic adhesive
Manufactured for: Desco Industries, Inc
Address: One Colgate Way
Canton, MA 02021
Telephone: 781-821-8370
Emergency Number: 888-255-3924 (CHEMTEL)

SECTION 2 — HAZARDS INGREDIENTS

EXPOSURE GUIDELINES

% BY ACGIH OSHA

MATERIAL	WEIGHT	CAS NUMBER	TLV	TLV-TWA	PEL-STEL
Acrylic copolymer dispersion	50-60	Proprietary	Not available	Not available	Not available
Water	35-45	7732-18-15	Not available	Not available	Not available
Propylene glycol	0.5-1.2	57-55-6	50 ppm	50 ppm	50 ppm
Conductive Fibers	1-2	Not available	Not available	Not available	Not available

SECTION 3 — HAZARDOUS IDENTIFICATIONS

EMERGENCY OVERVIEW: Can cause eye irritation.
POTENTIAL HEALTH EFFECTS:
EYE CONTACT: May cause slight irritation.
SKIN CONTACT: No affect known.
INGESTION: Not likely to occur. If swallowed, no side affects known. Do not ingest.
INHALATION: No affect known.

SECTION 4 — FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists. Immediately remove contaminated clothing.

INGESTION: If swallowed, seek medical attention immediately. Do not induce vomiting. Can enter lungs and cause damage.

INHALATION: Remove to fresh air. Restore breathing if necessary. Get medical attention.

DO NOT LEAVE VICTIM UNATTENDED.

SECTION 5 — FIREFIGHTING MEASURES AND FIRE HAZARDS

OSHA FLAMMABILITY CLASS:	IIIB
FLASHPOINT:	None
LOWER EXPLOSIVE LIMIT:	Not applicable
UPPER EXPLOSIVE LIMIT:	Not applicable
GENERAL HAZARD:	Toxic gases will form upon combustion. Closed containers may explode when exposed to extreme heat. Vapours are heavier than air and may travel a considerable distance.
FIRE FIGHTING EQUIPMENT:	Respiratory and eye protection required for firefighting personnel. Full protective equipment and a self-contained breathing apparatus (SCBA) should be used in all indoor fires and any large outdoor fires.
HAZARDOUS COMBUSTION PRODUCTS:	Carbon monoxide, carbon dioxide, smoke and fumes, hydrocarbon fragments.

SECTION 6 — ACCIDENTAL RELEASE MEASURES (SPILLS OR LEAKS)

GENERAL INSTRUCTIONS:	Isolate the danger area and keep out unauthorized personnel. Stop spill if it can be done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warrant (see section 8). Prevent additional discharge of material. Notify the appropriate authorities immediately. Contain spilled liquid with sand, earth or other non-combustible inert absorbent material. Prevent run-off from entering storm sewers, ditches or waterways. Transfer absorbed waste material into properly identified drums. Treat waste material with same precautions as the adhesive. Do not use solvent or flammable liquid to help clean up an accidental release. Release to the environment may be reportable under environmental regulations.
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SECTION 7 — HANDLING AND STORAGE

HANDLING:	Do not enter confined spaces such as tanks without following proper entry procedures as described in OSHA regulations at 29 CFR 1910.146. Do not breathe vapours. The use of respiratory protection is recommended when airborne concentrations of vapour exceed exposure guidelines. Wash thoroughly after handling. Do not wear contaminated clothing or shoes. Wear appropriate protective gloves and clothing to prevent prolonged or repeated skin contact. Avoid contact with eyes.
STORAGE:	Keep containers tightly closed. Use and store this material in a cool, dry, well-ventilated area away from heat, direct sunlight, hot metal surfaces, and all sources of ignition. Store only in approved containers. Protect containers against physical damage. Indoor storage should meet OSHA standards and appropriate fire codes.
EMPTY CONTAINERS:	May contain liquid and vapour residue and may be dangerous. Do not pressurize, cut weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. "Empty" drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All containers should be disposed of in accordance with governmental regulations. Wash with soap and water before eating, drinking, smoking or using toilet facilities. Consult NFPA and OSHA codes.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

RESPIRATORY PROTECTION:	Specific respiratory protection is not necessary when the adhesive is used as recommended. If in doubt, seek the advice of an industrial hygienist or safety professional for appropriate respiratory equipment.
SKIN PROTECTION:	The use of gloves impermeable to the specific material handled is advised to prevent prolonged or repeated skin contact. Where splashing is likely to occur, aprons impermeable to the specific material may be worn. Refer to the glove and protective clothing manufacturer's selection guide for appropriate material.
EYE PROTECTION:	Approved chemical splash goggles should be worn to safeguard against potential eye contact, irritation or injury. Where splashing is likely to occur, hard hats and face shields may be used to provide additional protection. Eye wash facilities should be available in the work area.
ENGINEERING CONTROLS:	The use of local exhaust ventilation is recommended. Provide mechanical ventilation of confined spaces.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOUR:	White coloured paste with little or no odour.
SPECIFIC GRAVITY:	0.98 (68°F – 20°C)
pH:	6.6
BOILING POINT:	212°F, 100°C @ 760 mm Hg (Aqueous phase)
FREEZING POINT:	Approx. 32°F, 0°C
SOLUBILITY IN WATER:	Dispersible in water
% SOLIDS (BY WEIGHT):	57 ± 2%
% VOLATILE (BY WEIGHT):	43 ± 2%
VAPOUR PRESSURE (MM OF MERCURY):	Same as water
VAPOUR DENSITY (AIR = 1):	Same as water
EVAPORATION RATE (BUTYL ACETATE = 1):	Same as water
EVAPORATION RATE (ETHYL ETHER = 1):	Same as water

SECTION 10 — STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Keep away from flames and spark producing equipment. Not dangerously unstable.
INCOMPATIBLE MATERIALS:	Strong oxidizing agents, strong reducing agents, acids, bases, or unstable chemicals, chloroform, nitric compounds, peroxides, sulfur dichloride, strong alkalis.
HAZARDOUS DECOMPOSITION PRODUCTS:	Hazardous decomposition is unlikely to occur, but under fire or extreme heat conditions, carbon monoxide, carbon dioxide, smoke and fumes, and hydrocarbon fragments can be released.
HAZARDOUS POLYMERIZATION:	Will not occur.

SECTION 11 — TOXICOLOGICAL INFORMATION

MATERIAL:	No known hazardous ingredients present at >1%.
SKIN (Dermal LD50):	Not available
INGESTION (Oral LD50):	Not available
CHRONIC:	Liver and kidney damage
FROM OVEREXPOSURE:	May cause central nervous system depression.
CHRONIC / CARCINOGENICITY (CANCER CAUSING):	
IARC / OSHA / NTP:	Not suspected as a human carcinogen.
OTHER:	None known.

SECTION 12 — ECOLOGICAL INFORMATION

No data available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Incinerate at an EPA approved facility or dispose of in accordance with all federal, state/provincial and local regulations. See Section 2, Page 1 of this MSDS for hazardous ingredients. PROPER WASTE DISPOSAL IS THE RESPONSIBILITY OF THE OWNER OF THE WASTE! Call Desco Industries Inc. if additional information is necessary.

SECTION 14 — TRANSPORT INFORMATION

D.O.T. / T.D.G.: NOT REGULATED

All packaged material must be labeled in accordance with DOT and OSHA standards.

SECTION 15 — REGULATORY INFORMATION

OSHA: Hazardous material by definition of hazard communication standard (29CFR 1910.1200).
PROPOSITION 65: This product contains the following chemicals known to the state of California (Proposition 65) to cause cancer or reproductive toxicity: None known.
SECTION 313: This product contains the following substances subject to the reporting requirements of Section 313 of TITLE III of Superfund Amendments and Reauthorization Act of 1986 and CFR Part 372: None known.
V.O.C.: 0 Lbs/Gal. (SCAQMD Rule 1168) 0 G/L
VHAP: 0 lb/lb solids
HAZARD INDEX: 0: Minimal Hazard
1: Slight Hazard
2: Moderate Hazard
3: Serious Hazard
4: Severe Hazard

HMIS RATINGS:
HEALTH: 1
FLAMMABILITY: 1
REACTIVITY: 0
PERSONAL PROTECTION: Depends on application and ventilation.
TSCA: Components of this product are listed on the TSCA inventory.
WHMIS INFORMATION: NOT CONTROLLED

SECTION 16 — OTHER INFORMATION

Version No. 1FD All employees or contractors, etc., who use this product must have access to this Material Safety Data Sheet.
PREPARED BY: Desco Industries Inc.

SECTION 17 — DEFINITIONS

ACGIH :	American Conference of Governmental Industrial Hygienists.
ASPIRATION HAZARD:	The danger of drawing material into the lungs, leading to an inflammatory response that can be fatal.
CFR:	Code of Federal Regulations (U.S.). A collection of regulations established by law.
CARCINOGEN:	A material that either causes cancer in humans, or is considered capable of causing cancer in humans.
COMBUSTIBLE:	A term used to classify certain materials with low flash points that ignite easily. For OSHA it has a flash point greater than 100°F (38°C) but below 200°F (93°C).
DOT:	U.S. Dept. of Transportation.
FLAMMABLE:	A material that gives off vapours that readily ignite at room temperatures. OSHA defines flammable as a material with a flash point less than 100°F (38°C).
FLASH POINT:	The lowest point at which a liquid gives off sufficient vapour to form an ignitable mixture with air.
HAZARDOUS:	Any substance or mixture of substances having properties capable of producing adverse effects on the health or safety of a human.
IARC:	International Agency for Research on Cancer.
IRRITANT:	A substance capable of causing an inflammatory effect on living tissue by chemical action at the site of contact.
LD50:	Lethal Dose 50. The single dose of a substance that causes death of 50% of an animal population from exposure to the substance from any route other than inhalation.
LEL:	Lower Explosive Limit. The lowest concentration of vapour that burns or explodes when an ignition source is present at ambient temperatures.
LFL:	Lower Flammable Limit. See L.E.L.
MSHA:	Mine Safety and Health Administration (U.S.).
NFPA:	National Fire Protection Association (U.S.).
NIOSH:	National Institute of Occupational Safety and Health (U.S.).
NTP:	National Toxicology Program (U.S.).
OECD:	Organisation for Economic Co-operation and Development.
OSHA:	The Occupational Safety and Health Administration (U.S.).
PEL-STEL:	Permissible Exposure Limit, Short Term Exposure Limit.
SCBA:	Self-contained breathing apparatus.
SYSTEMIC TOXICITY:	Adverse effects induced by a substance which affects the body in a general manner rather than locally.
TDG:	Transportation of Dangerous Goods (Canada).
TLV-TWA:	Threshold Limit Value, Time Weighted Average.
TSCA:	Toxic Substance Control Act.
TOXIC:	Any chemical or material that has evidence of an acute or chronic health hazard and is listed in the NIOSH Registry of Toxic Effects of Chemical Substances.
VHAP:	Volatile Hazardous Air Pollutant
V.O.C.:	Volatile Organic Compound.
WHMIS:	Workplace Hazardous Materials Information System (Canada).

Disclaimer

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N/A = Not Applicable; NE = None Established

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- (2) 当社以外で行われた修理、改造等による故障。
- (3) 火災、天災、地変等による故障。
- (4) 使用環境、メンテナンスの不備による故障。

保証の対象となるのは、本体で付属品、部品等の消耗は、保証の対象とはなりません。

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* 本保証内容は、日本国内においてのみ有効です。

機器に明らかなる不良がある場合については、下記内容を当社にご連絡下さい。

- | | |
|--------------------|-----------------|
| 1) 機種名または、品番 | 4) ご購入年月日 |
| 2) 製品シリアルナンバー | 5) 御社名、部署名、担当者名 |
| 3) 不良内容(できるだけ具体的に) | 6) 連絡先 |

以上の内容を検討致し返却取扱ナンバーを御社に連絡致します。製品を返却する場合は、返却取扱ナンバーを製品に添付してご返却下さい。

返却ナンバーが表示されていない場合は、保証の対象とならない場合があります。

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