

Decompose harmful substances and odor only by utilizing light and water at a room temperature

Hybrid Photocatalyst CELSION



de-zion Inc.

<http://www.de-zion.com/eng/index.html>



1. About the product

CELSION is a photocatalytic antimicrobial coating solution using newly developed photocatalytic technology, brought from a thermocatalyst composite to cover the weakness of photocatalyst while maintaining its advantages. CELSION can decompose various substances and exhibits excellent features of antimicrobial, deodorant, stainproofing and antifungal effects, even at a place in the shade, by the action of the catalyst in the electric chain reaction and dedox reaction only with oxygen, moisture and thermal energy at room temperature in the air.

2. Advantages

- Even without light, the catalyst can work only with moisture and room temperature.
- Having antimicrobial, deodorant, stainproofing and antifungal effects being exhibited even in the weak light environment, such as an indoor place, shoe cupboard, refrigerator, storage or in an air conditioner.
- Decompose toxic gas, such as smell substances including tobacco or ammonia and VOC.*
- Once after being coated, the effect of CELSION lasts more than one year.
- Safe product to the human body, as CELSION comprises substances derived from a human.
- Available for metals, because of its rust-preventing property.

3. Performance/Achievement

Sold 5,000 sets in Japan.

* Volatile Organic Compounds such as formaldehyde, toluene or xylene.

4. Expected customers and partners

- Companies that are strong in online sales for individual users.
- Construction companies or developers to do the construction work.
- Manufactures or retailers dealing with materials, such as cloth, fabric, artificial leather, etc.



Please send your inquiry to: Tokyo SME Support Center
TEL +81-3-5822-7241 FAX +81-3-5822-7240 E-mail ttc@tokyo-kosha.or.jp
URL <https://www.tokyo-kosha.or.jp/TTC/en/>

Tokyo SME Support Center is founded by Tokyo Metropolitan Government to assist SMEs in Tokyo.

光 + 水分 + 室温の熱エネルギーだけで有害物や臭いを分解

ハイブリッド型触媒

セルシオン



株式会社デザイン

<http://www.de-zion.com/>



1. 製品について

セルシオンは、従来の光触媒効果を保持したまま光触媒の弱点をカバーする温度触媒の組合せによって開発された、新触媒技術による家庭用光触媒抗菌コート溶液です。光の当たらない場所でも、空気中の酸素・水分・室温の熱エネルギーだけで電子連鎖反応と酸化還元反応により触媒が作用して、様々な物質を分解し、防菌、消臭、防汚、防カビなどの効果を発揮します。

2. 製品の特徴

- ・ 光が無くても水分と室温だけで触媒が働きます。
- ・ 暗い所（下駄箱、冷蔵庫、エアコン内部等）でも抗菌、消臭、防汚、防カビ効果を発揮
- ・ 有害ガス（タバコ臭、アンモニア臭、ホルムアルデヒド、VOC* 等）を分解除去
- ・ 一度吸着させると1年以上効果が持続
- ・ 生体に含まれる元素による複合体で作られているため人体に無害、安全な触媒製品
- ・ 金属に使用しても錆びにくい

* Volatile Organic Compounds : 揮発性有機化合物、ホルムアルデヒドやトルエン等

3. 実績

国内販売 5,000 セット。

4. 希望取引先

- ・ 一般消費者向け販売網を持ち WEB 販売に注力している企業
- ・ 施工業務ができる代理店を持つ施工会社またはディベロッパー
- ・ 原材料（クロス、生地、人工皮革等）のメーカーまたは販売店