

Significantly improved performance. Equipped with accelerator function for one-component formulation.

Launch of "ECHELON Zen-Xero DYNAMIX"

Hydrolysis technology is applied to achieve more concise and speedy application

FE TRADE Co., Ltd. starts offering a new product in the ECHELON series, "Zen-Xero DYNAMIX," on November 1, 2024. This product significantly improves the performance of the accelerator + 3-liquid mixture obtained from the conventional "Zen-Xero Dynamic", and achieves one-liquid, one-step application that also includes the accelerator function. For the wiping process, which determines the final result, we have established a new application method that utilizes a hydrolysis reaction, making it possible to apply the work more simply and quickly. In addition, the formulation has been restructured to enhance adhesion, providing unprecedented innovation as an all-in-one coating that can be used on any material. We will continue to strive for further product development with the aim of further evolving the ECHELON series.



■ Background of the Launch

The ECHELON Zen-Xero Dynamic, released in 2015, has been highly praised for its excellent performance. However, due to its high performance, some have commented that it is hard to use continuously because of the difficulty of application. For this reason, in this latest improvement, we aimed to achieve a balance between workability and performance, which have traditionally been considered contradictory, and conducted various verifications from a chemical perspective, going through a process of trial and error. The new product "Zen-Xero DYNAMIX" not only has the uniform distribution of water-repellent groups, a characteristic of Dynamic, but also actively incorporates a hydrolysis reaction into its application method, which forms a stable coating effect. Furthermore, after extensive verification of the material properties, reaction mechanism, and molecular structure, we have succeeded in achieving a high level of both workability and performance.

■ Characteristics of the Product

◎ Realization of total one-liquid system

The ingredient composition of the conventional product has been reconstructed from a chemical perspective, and the accelerator function, which is the key to Zen-Xero technology, has been incorporated into a single liquid, delivering better performance than ever before with just one application.

◎ Simple and easy application

The shift to a one-component system has dramatically improved application methods. An original approach that utilizes hydrolysis significantly reduces application time. Achieving uniform and stable finishes through an unprecedentedly simple process.

◎ Adhesion to any material

The formulation has been restructured to provide excellent adhesion to a variety of materials. It can be applied to various kind of parts, including windshields, moldings, headlights, and wheels.

◎ Basic performance has also been greatly improved

Through comprehensive improvements, basic performance has been further improved, including the already excellent stain resistance and sustained dynamic water repellency.

◎ Accelerator for even better performance

By using an accelerator as before, the bond with the target surface is strengthened, resulting in better performance.

■ From the Section in Charge

The biggest challenge in improving this product was to combine the three separate liquids into one liquid. It was not easy to achieve this contradictory mechanism of stabilizing a substance that normally reacts and hardens when mixed in a liquid state, and then reacting and hardening quickly after application. So, with the cooperation of experts with chemical knowledge, we were finally able to develop this technology. Improving workability is also an important theme, and by conducting a multifaceted analysis of the hardening reaction process of the one-component system and actively incorporating hydrolysis reactions, we have achieved an unprecedentedly simple and clear construction method. Please experience the dramatically improved ease of use and performance of "DYNAMIX".

■ Product Summary

ECHELON Zen-Xero DYNAMIX

[Product name] Zen-Xero DYNAMIX 1 kit

[Kit contents] ECHELON Zen-Xero DYNAMIX 30ml x 1 / Accelerator 30ml x 1 /

Application sponge x 1 / Accelerator application sponge x 1 / Maintenance kit x 1

[Product name] Zen-Xero DYNAMIX For Professionals 5 kit

[Kit contents] ECHELON Zen-Xero DYNAMIX 30ml x 5 / Accelerator 30ml x 5 /

Application sponge x 5 / Accelerator application sponge x 5 / Maintenance kit x 5

Maintenance kit (for each unit)

[Product name] ECHELON Maintenance Kit

[Kit contents] Maintenance bag / Maintenance shampoo / Car wash sponge / Microfiber cloth (light blue) /

Certificate card of application / Maintenance record sheet / Zen-Xero sticker

Contact Details

<https://www.fe-trade.com/page.php?pld=32>