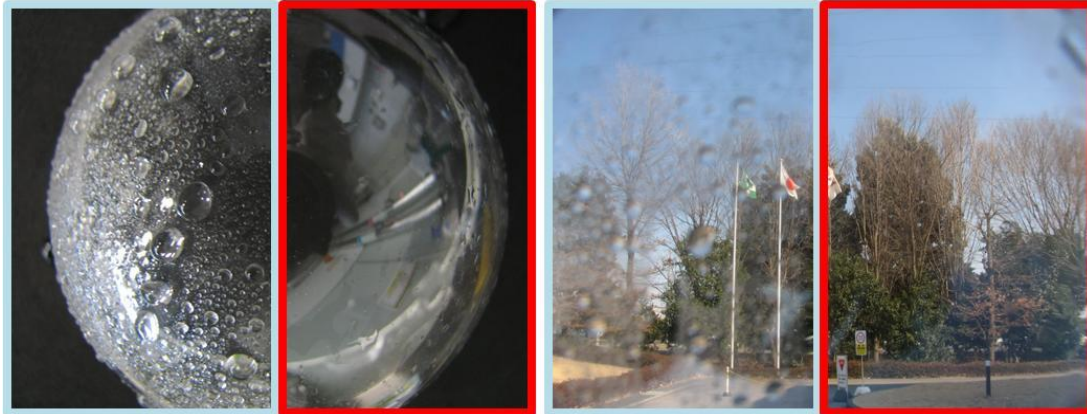


NEWS RELEASE

Canon Optron Inc.
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Canon Optron develops highly durable hydrophilic coating material



Without Coating

With Coating

Without Coating

With Coating

Surfaces with and without the new hydrophilic coating material

IBARAKI, Japan, March 30, 2016—Canon Optron Inc. announced today that it has developed a new hydrophilic* coating material that realizes high durability against running water and wiping. The new material, achieves high performance even at night and, unlike conventional organic materials, does not require frequent reapplication, making it suitable for a wide range of applications.

The newly developed hydrophilic coating material differs from conventional hydrophilic materials made with photocatalysts or organic chemicals in that it is made of calcium phosphate ceramics, which achieve high durability against running water and wiping to realize long-term effectiveness. Additionally, unlike photocatalytic materials, this material does not require light to activate its hydrophilic properties. Furthermore unlike organic chemicals, it doesn't require repeated applications, extending its possible uses beyond those of existing materials.

Made of calcium phosphate, the material resembles the main component of human bones or teeth, enabling safe handling and minimal environmental impact. The material is also highly transparent, enabling use on surfaces where water droplets may obscure visibility, such as lens covers of network cameras, goggles and ophthalmic glasses.

Canon Optron will make initial samples available in June and plans to launch the material as a product in September 2016.

*Water/moisture is not repelled but spreads out evenly upon contact with the substrate surface.

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