

Press Release

December 3rd, 2018
Kansai Paint Co., Ltd

Additional product launch of 「Wave Absorber」
for the prevention of autonomous driving malfunction

Kansai Paint Co., Ltd(President : Hiroshi Ishino, Head Quarter : Osaka, Japan) announce the additional product launch of 「Wave Absorber」 for the prevention of autonomous driving malfunction from Dec 3rd.

Our company started to sale the products 「Wave Absorber」 for the 77GHz-band from March 2018. This time, we launch the new product absorbing spreader frequency for 79GHz-band.

This new product was developed by cooperation with Wave-X, Corp(President : Makoto Yamashita, Head Quarter : Tokyo, Japan) in the same way as the 77GHz-band absorber.

In addition to camera or near infrared ray, millimeter wave and sub millimeter wave are used for sensors of the autonomous driving.

Under this situation, 77GHz-band wave is used for the collision prevention in the front of the car using the millimeterwave radar and 24GHz-band wave is used for blind spot in the side or back of the car using sub millimeter wave radar. On the other hand, 79GHz-band millimeter wave will be applied instead of 24GHz-band wave to increase the accuracy of autonomous driving in the future.

As 79GHz-band millimeter wave is planned to use in the wide angle, it will be easy to be more affected by the scattering under the influence of the reflection objects. So we have developed and then started to sale 「Wave Absorber」 in the form of the sheet. The features of the new product are thinness, lightness, flexibility and versatility to solve these problems caused by the reflection of waves.

The structure of absorber is consisted of absorbing layer kneaded high dielectric loss materials and of Aluminum layer.

It is possible to bond the film on the surface of the absorber for the purpose of having high durability and color.

We expect that the absorber will be used on infrastructure facilities, for example, walls of tunnel or indoor parking space ,or facilities handled with millimeter wave

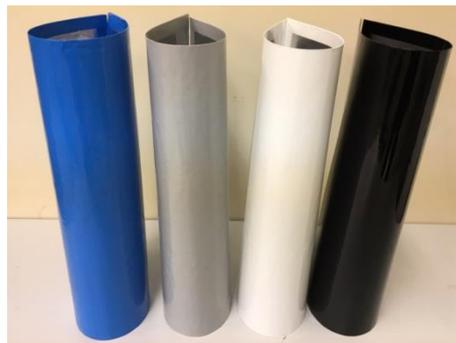
and automobile parts to prevent the malfunction of the operation when the radar scatters.

Besides, we are planning to introduce our products in 「1st Highly-functional PAINT&COATINGS EXPO Tokyo 2018」 to be held in Makuhari-messe from December 5th (Wed) to 7th (Fri) and 「20th ELECTRONIC COMPONENT within 48th NEPCON JAPAN」 held in Tokyo-Big-Sight from Jan 16th(Wed) to 18th(Fri).

If you are interested, please drop by at our booth to get more information about the products.

We are also aiming to launch the absorber for the blind-spot (24GHz-band) or for 5G (28GHz-band) that are expected to be in practical use in the near future.

○Pictures of the absorber for 79GHz-band 「Wave Absorber」



○Reference (URL)

- 1st Highly-functional PAINT&COATINGS EXPO Tokyo 2018
<http://www.coating-japan.jp/en/Home/>
- 20th ELECTRONIC COMPONENT within 48th NEPCON JAPAN
<https://www.ele-expo.jp/ja-jp.html>

【Contact us】

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