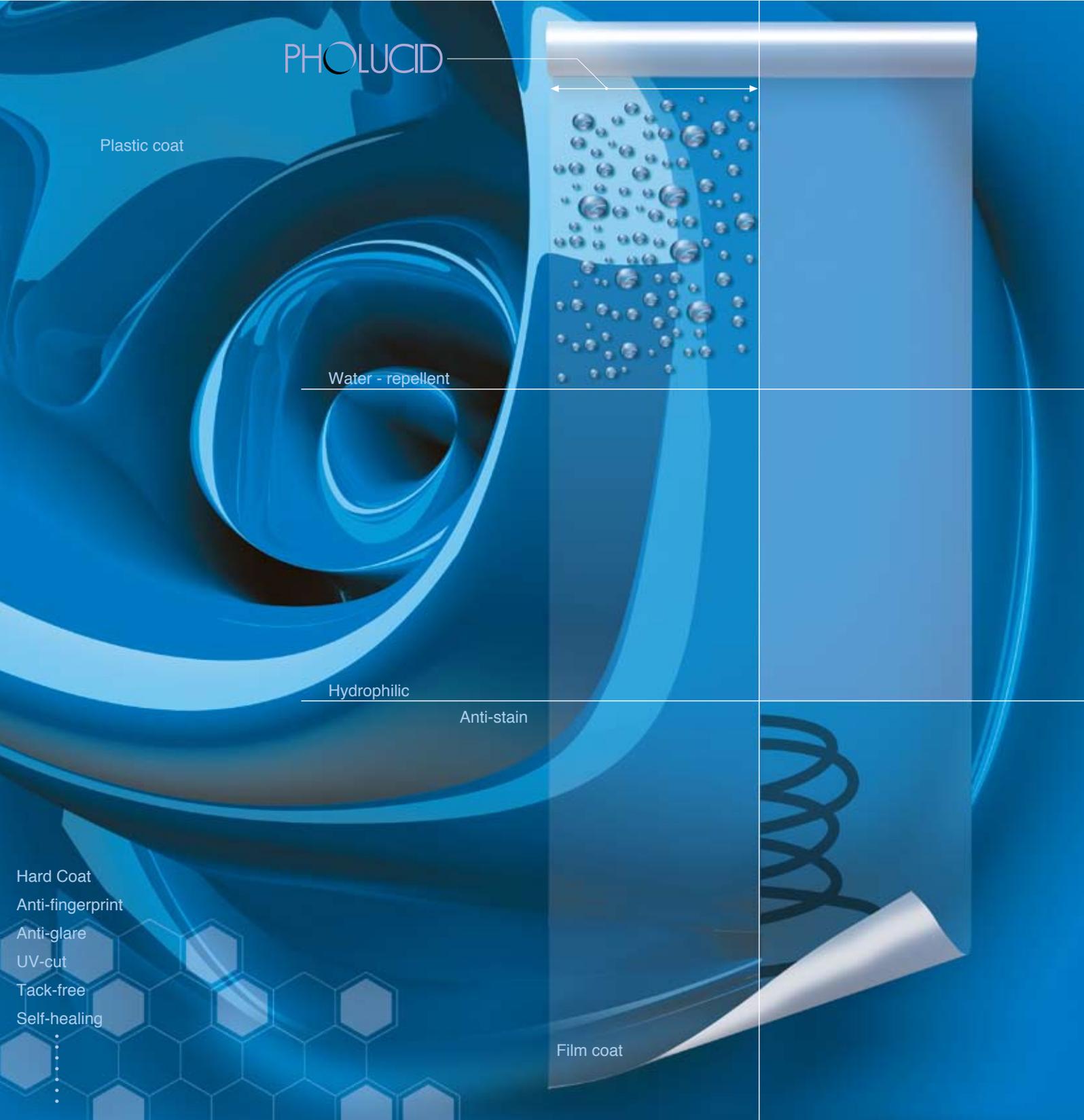




UV curable paint used for plastics

# PHOLUCID



**CHUGOKU MARINE PAINTS, LTD.**

# PHOLUCID

**UV curable paint used for plastics**

## “PHOLUCID” opens the door for the future development of plastic

Superquick curing property of UV (ultraviolet) curable paint will add to plastic materials, versatile applications, greater protection, and higher functionality.

This new paint inscribed with “PHOLUCID” opens the door for the future development of plastic materials and UV curable paints.



### 1 Superquick curing (at the second rate)

Curing starts immediately after light irradiation (UV)

### 2 High productivity

Superquick curing property allows speeding up of the production line

### 3 Compact-sized facility

No need of large-sized drying oven, and only need of a compact-sized facility provided with a special design for a narrow space

### 4 High hardness (hard coat)

Prevents scratches on the material and improves durability

### 5 Versatile functionality

Various types of functionality can be given to coating film depending on different needs

### 6 Fit for different types of materials

This paint can be applied to a variety of materials including ABS, PET, PC, etc.

Our UV cured paint lineup well known as “Aulex” since its introduction into the market, especially in the field of wood materials, gave birth to this new paint “PHOLUCID,” used exclusively for plastics-related field.



UV curable paint is a paint that will be immediately cured by ultraviolet radiation. Due to its quick curing and its need of a compact facility, this type of paint has been widely used in coating line of building materials.

UV Irradiator

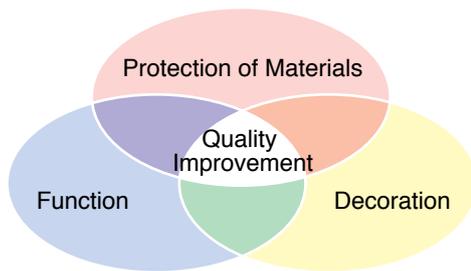
In addition to being easy to form and handle, plastics are lightweight and have increasing applications in various industrial products, such as electric appliances, automotive interior / exterior, and building materials.

Plastics also have weakness of being fragile and easily mechanically damaged though, a wider range of applications and further improved quality of plastic made products can be expected if such weakness is solved by the use of coating.

Also, if various functionalities are given to the surface of plastics, including anti-glaring (defogging), water repelling (water shedding), anti-stain (prevention of fouling on the surface), etc., it can not only enhance the level of product' s features but also create more new products with notable features.

Our company has been recognized as a “UV cure paint” pioneer and has many reliable records in the field of wooden building materials. While strengthening mutual relationships with other people in the building materials field, we have been acquiring unique know-how in safety and design. Applications of such know-how to plastic materials gave birth to the “PHOLUCID.”

New functionality, durability, and design: all of which are provided by plastic coating. We expect and hope that “PHOLUCID” can help improve the quality and potential of industrial products, leading to a bright and prosperous future for our life.

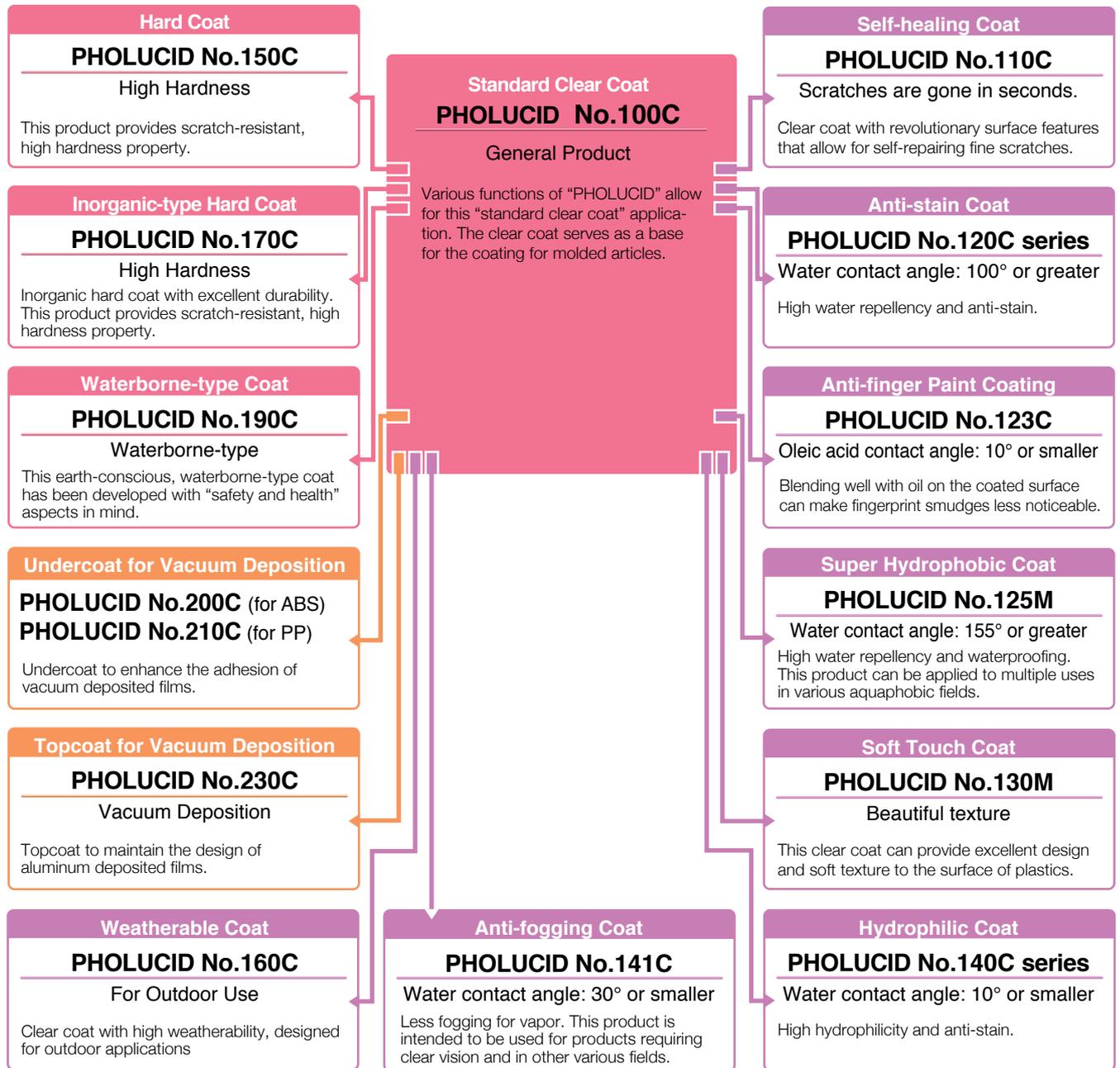


Aims of Plastic Coating



Our product' s design approach always depends on the individual material and coating line type. Therefore, we can adjust any function of our product to the desired level. In addition, other types of products than UV curable paint are available to you. So please feel free to contact us for any other questions.

## Formed product coatings



### Anti-fogging Function

#### Steam Spraying Test



General Coat

AG Function added

Hydrophilic coating film realizes the compatibility between transparency and high AG performance. This product can be applied to multiple uses for various plastic products.

PHOLUCID No.140C (for Formed products)  
PHOLUCID No.141C (for Formed products)  
PHOLUCID No.440C (for Film)

### Super Hydrophobic Function

#### Contact angle



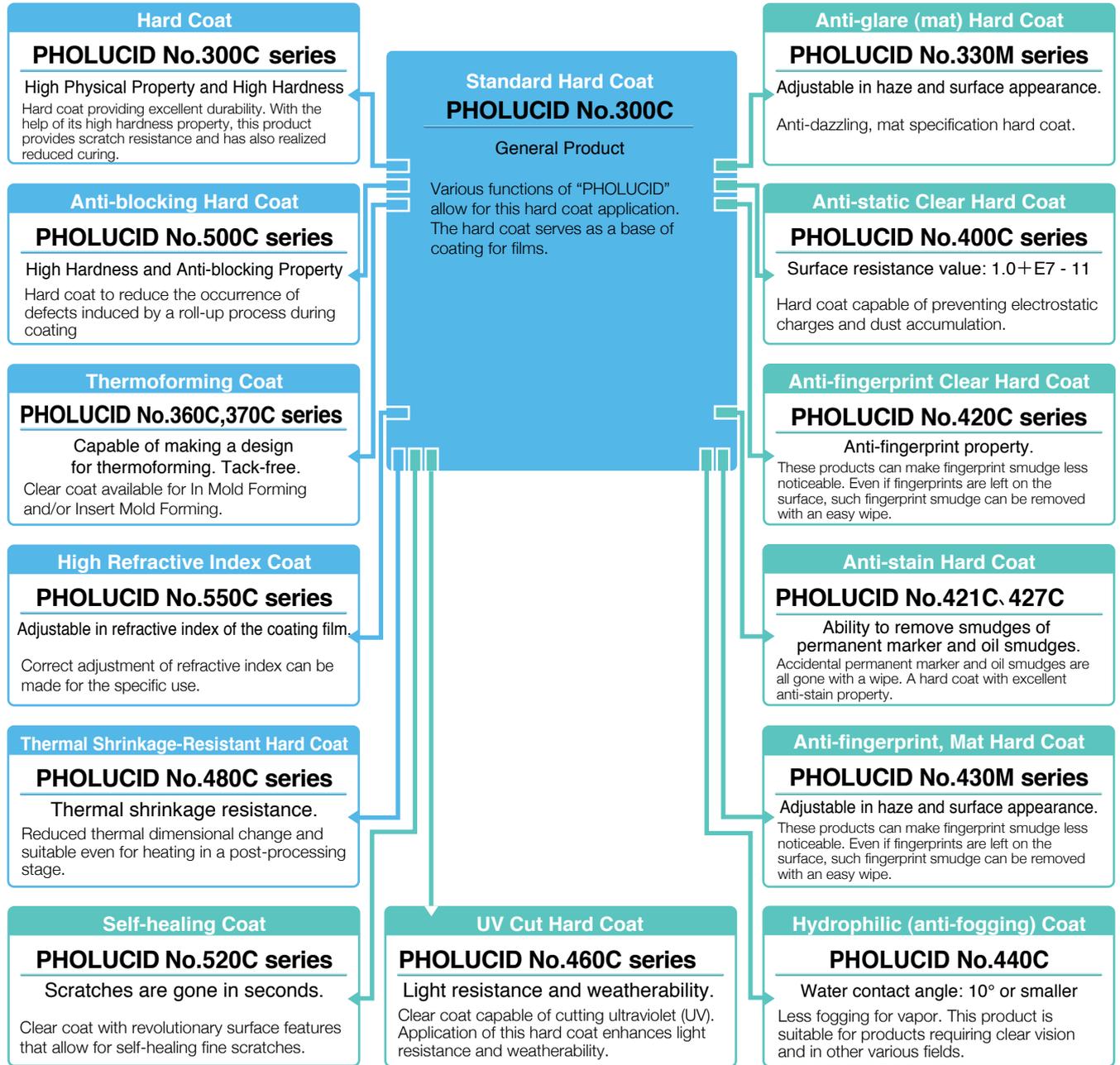
General Hard Coat

PHOLUCID No.125M

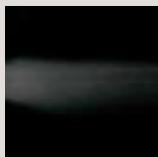
Water-repellent coating film repels water on the material. This product can be applied to uses for various products requiring anti-stain and waterproofing performance.

PHOLUCID No.120C (for Formed products)  
PHOLUCID No.125M (for Formed products)  
PHOLUCID No.427C (for Film)

# Film Coatings



## Self-healing Function



Brushing with Brass Brush



Restored!

The self-healing coat can self-repair minor scratches that usually occur in our daily life and, therefore, can be applied to uses for various products.

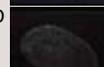
PHOLUCID No.110C (for Formed products)  
PHOLUCID No.521C (for Film)

## Anti-fingerprint Function

General Hard Coat



PHOLUCID No.420C



Wiping Off

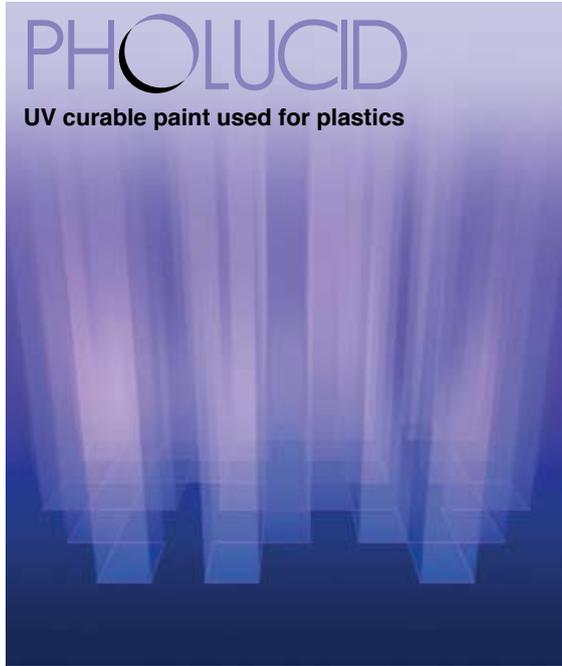


These products can make fingerprint smudge less noticeable. Even if fingerprints are left on the surface, such fingerprint smudge can be removed with an easy wipe. These lineups can be applied to uses for electric appliances and other various products.

PHOLUCID No.123C (for Formed products)  
PHOLUCID No.420C (for Film)  
PHOLUCID No.430M (for Film)

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**CMP** **CHUGOKU MARINE PAINTS, LTD.**

Website: <http://www.cmp.co.jp>

\* The information given in this sheet is effective at the date shown above and subject to revision from time to time without notice.

\* Prior to use, please read carefully this Technical Data Sheet, Material Safety Data Sheet (MSDS), and label on the package of our products.