

KIWACAL FUNCTIONAL OVERLAY FILM SELF-CLEANING FILM

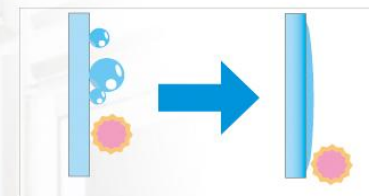
Water layer formed in between film surface and dust/dirt keeps cleanliness and clear view by anti-dew/fog effect

- ☆ Thin water layer formed on super-hydrophilic coating top layer keeps cleanliness and clean view by lifting up dust and dirt, and flowing them down.
- ☆ Functions only with water.
- ☆ Keeps clear view under dew forming environment.



Water Contact Angle of
KIWACAL Self-cleaning Film

Water Contact Angle of
ordinary film



Water layer formed on super-hydrophilic surface lift up dust and dirt, and flowing them down.

Outdoor Grade

KIWACAL Self-cleaning film with excellent outdoor durability (10 years) keeps images and messages of signage. Clear view of sign and window is expected by preventing dew drop formation.

Usage: Outdoor signage, Guide plate, Traffic sign, Window of commercial facilities/ hotel / residential house, etc.



<Application Example for Sign>
Keeps clean appearance for long term.
Reduction of rain water stain is expected.



<Application Example of Traffic Sign>
Water layer is formed under dew forming environment, and keeps clear view.

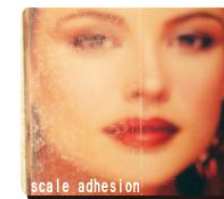
Indoor Grade

KIWACAL Self-cleaning film has anti-fog function only with water and no sunlight, and keeps clear view.

Usage: Bathroom mirror/ glass door of hotel/ residential house, Window of heated indoor pool facility/ restaurant/ bus/ train, etc.



<Application Example of Bathroom Mirror>
Prevents fog (left picture), and reduces water scale adhesion (right picture).



Right : with KIWACAL Self-cleaning Film
Left : without overlamination film

※1 Always flush film surface with water for every use.
※2 When film surface gets dirty, wash softly with mild detergent by finger or soft cloth. Hard washing equipments such as sponge, brush or abrasive cleanser damage film surface and will be a cause of impairment.