

UNI Cool TB

Transparent thermal barrier paint

The UNI Cool TB series is a transparent thermal barrier paint, which enables effective use of transparent material, such as glass.

It shields no less than 98% of ultraviolet rays and 60 to 80% of sunlight.

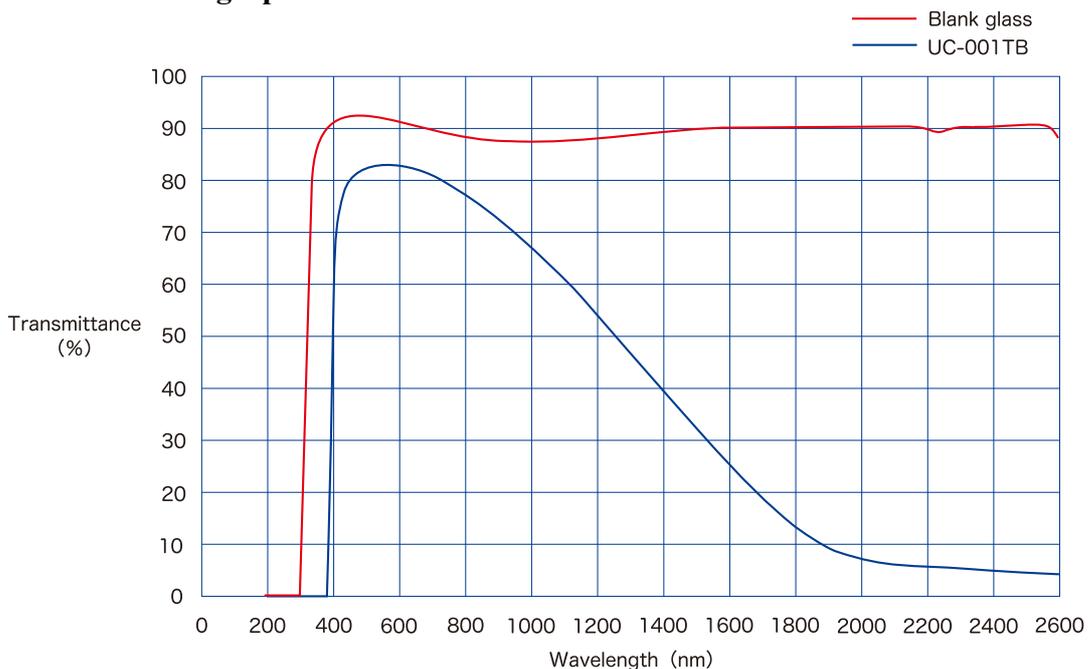
It significantly contributes to energy saving and CO₂ reduction by reducing the temperature rise due to sunlight.

Heat reflection type color paint is also available, which can be used for concrete, etc.

<Features of heat absorption type paint>

1. It is thermal barrier paint, which shields ultraviolet rays and infrared rays.
2. It is paint for glass. It can paint with one-coat.
3. It dries at room temperature with good leveling performance, providing good field-workability.
4. It is transparent after film forming.

Transmittance graph



<List of heat absorption type paints>

Product No.	Description
UC-001TB	It shields 99.9% of ultraviolet rays and 60% of infrared rays. A curing agent is required separately. Pencil hardness is 3H.
UC-002TB	It shields no less than 98% of ultraviolet rays and 70% of infrared rays. It is very hard, and excellent in abrasion resistance and chemical resistance. Pencil hardness is 8H to 9H.
UC-003TB	It shields no less than 98% of ultraviolet rays and 80% of infrared rays. It is very hard, and excellent in abrasion resistance and chemical resistance. Pencil hardness is 8H to 9H.

[Heat reflection type paint]

It is a thermal barrier paint, which is mixed with infrared reflection pigment.

It can significantly reduce the surface temperature rise due to sunlight, by reflecting infrared rays at a high level, which causes the temperature rise.

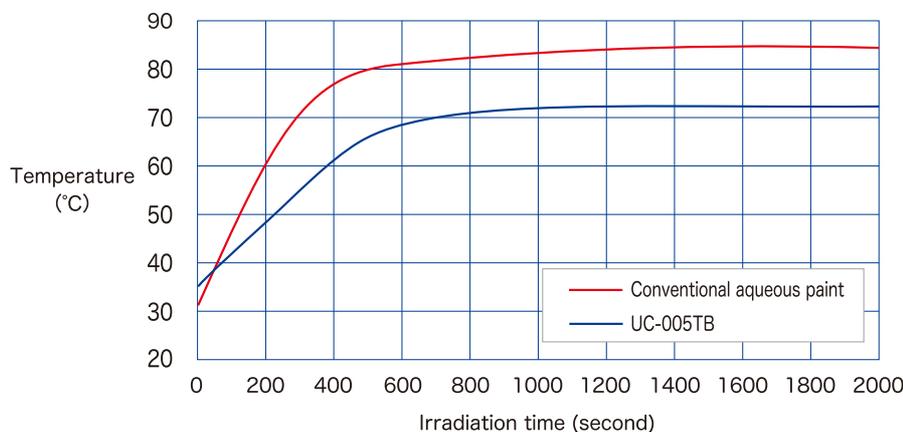
Heat reflection type paint is colored (white, black, and gray).

<Features of heat reflection type paint>

1. It limits the heat absorption into a room, by reflecting infrared rays of sunlight at a high level.
2. It provides excellent adhesion to old coating, concrete, mortar, tiles, and various types of metal.
3. It is aqueous, and dries at room temperature, providing good field-workability.

Product No.	Description
UC-005TB	It is a heat reflection type thermal barrier paint. It is colored (white, black, and gray). Pencil hardness is F to H.

<Thermal barrier test result - Color: gray>



- Halogen lamp was used
- Coating distance: 20 cm
- Surface temperature was measured
- Maximum temperature difference: 10 °C

- Information in this document is subject to change without notice due to continual improvements.
- Be sure to read the material safety data sheet (MSDS) before using this product.