





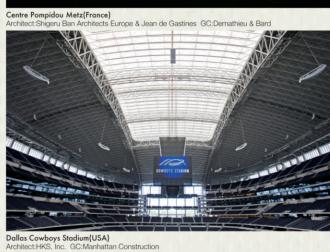


Aboshi-minami Park, Sumo Ring(Japan)
Architect: R Urban Architects GC: Hamada Co., Ltd





New World Park(Malaysia)
Architect:RSP Akitek Sdn Bhd GC:Hexagon Tower Sdn Bhd





Busan Bando Model House(Korea) Architect: Design Tomorrow INC GC: Bando Engineering and Construction Company Ltd.



YAS Marina Circuit(UAE)
Architect:TILKE GC:Taiyo Middle East

PIAJ (Photocatalysis Industry Association of Japan) mark

MakMax photocatalytic tents are PIAJ certified products. PIAJ mark is given only to the products confirmed to have specific photocatalytic characteristics. MakMax photocatalytic tents are registered as $2009-0005 \sim 0008$, 0012, 0013. For further details, please see MakMax website:

www.makmax.com/business/tio2.html

Further information of PIAJ: http://www.piaj.gr.jp/roller/en/

Fabric type	PVC/PES, PVC/Glass fiber		PTFE/Glass fiber
Products	SCC125/200/325, CMX220/270	SST140	FGT600/800-TFB
Mark	PiAJ 光触媒工業会 登録: 2009-0007 セルフクリーニング Photocatalysis Industry Association of Japan Registration: 2009-0007 Self-Cleaning	学院 2009-0008 セルフクリーニング Photocatalysis Industry Association of Japan Registration: 2009-0008 Self-Cleaning	学院 では、2009-0013 セルフクリーニング Photocatalysis Industry Association of Japan Registration: 2009-0013 Self-Cleaning



www.makmax.com

Global Network ... Japan, USA, Mexico, Brazil, Germany, UAE, Australia, India, China, Taiwan, Korea, Thailand, Singapore

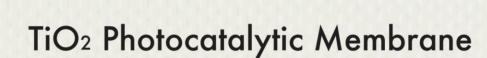
TAIYO KOGYO CORPORATION

2-33-16, Ikejiri, Setagaya-ku, Tokyo 154-0001, Japan



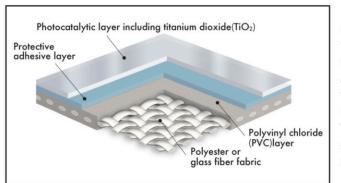






TiO₂ Photocatalytic Membrane

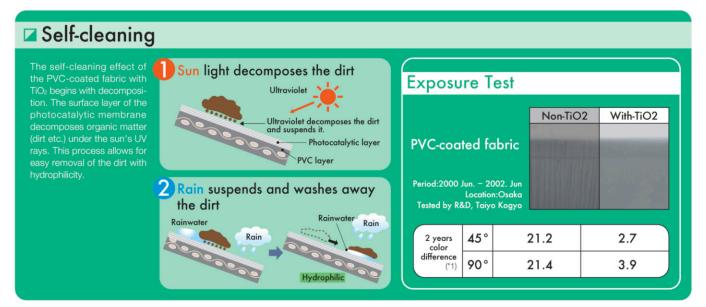
PVC coated fabric with TiO₂

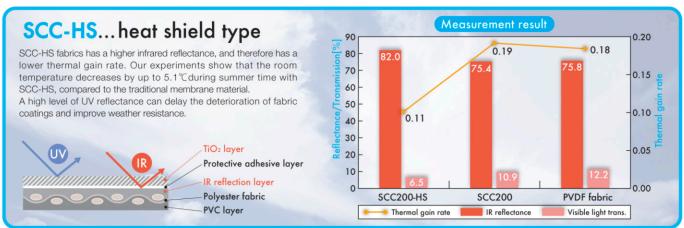


PVC-coated fabric with TiO2 is a combination of standard base cloth material coated in PVC, with TiO2 photocatalytic treatment added to the fabric surface. Due to the oxidation decomposition and highly hydrophilic nature caused by the TiO2, dirt can be easily washed off.

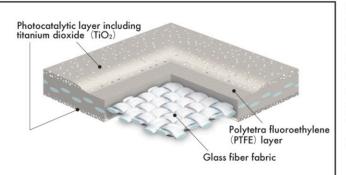
As this photocatalytic coating lasts as long as the membrane life, the fabric structure will always appear clean and new. Also, its high heat reflectivity avoids solar heat gain inside the building or structure.

There are variations of strength and light transmission. Custom-ordered colors are also available. Light reflectance and transmission are changed by the color.



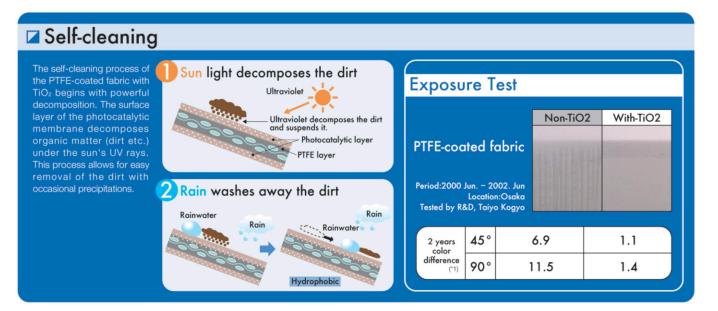


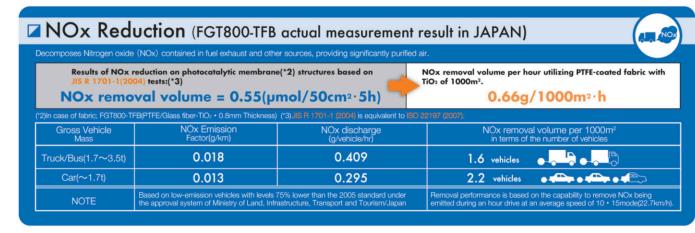
PTFE coated fabric with TiO2



PTFE-coated fabric with TiO2 is a combination of standard base cloth material coated in PTFE, with TiO2 photocatalytic treatment added to the fabric surface. It demonstrates PTFE membrane's own strength and light transmission while removing dirt and contaminants by oxidation decomposition, the result of a photocatalytic action. The antifouling property also works on the vertical surface where traditional fabrics often show dirt and contaminants.

The TiO2 Photocatalytic effect lasts as long as the membrane life. This product with NOx removal performance is also available.





New Products

ETFE film with TiO₂

ETFE film is a new membrane product; this highly translucent film is used for various purposes including green houses and indoor sports facilities. Because of this light transmission performance facilities can save on artificial lighting costs. ETFE is very flexible in design, making it ideal for architectural facades and features. MakMax also offers the TiO₂ coating on ETFE film, remaining the clean appearance and the material's characteristics.

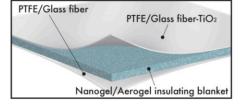


Exposure test is currently underway



Tensotherm™ is a MakMax original heat insulating fabric. This revolutionary product is developed by Birdair, Cabot Corporation and Geiger Engineers. This extremely efficient insulator uses Nanogel® blanket sandwiched between layers of PTFE/glass fiber fabric. By adding the TiO₂ coating to the outer layers of PTFE the membrane remains clean and the high reflection rate is maintained.

TENSOTHERM'



NOTE:

NOTE: 1

Even with self-cleaning surfaces, dirt can be buildup when the deposition of dirt is faster than the decomposition speed of the membrane whose ability depends on both the activity of the photocatalyst and the amount of light reaching the surface.

If there is an overwhelming buildup, light is unable to reach the TiO2 surface, thus making it impossible for the reaction to occur. Before attempting to implement a photocatalytic system, therefore, it is important to assess the amount of available UV light versus the actual amounts of dirt and grime in

Although inorganic matter such as sand, rust, metal dust, salt etc. cannot be directly decomposed by photocatalytic reaction, it can easily be washed off

NOTE:2

To wash the membrane, wipe the surface down with a soft household sponge.

If there is dirt that is caused by soot, smoke or exhaust gas, wet the sponge and apply a very small amount of diluted detergent, wipe down the dirty areas, then wash the membrane down with an ample amount of water until no trace of detergent is detected. As for any other dirt, please consult us first before cleaning the

(*1) Color difference is a quantitative difference between two colors (difference in reflection ratio) and shown as ΔE . The smaller number means higher self-cleaning effect. Above values are experimental results, not guaranteed