

# HIRAOKA & CO., LTD.

## A culture of innovative fabrics

### HIRAOKA...THE PIONEER OF TENT SHEETS SINCE 1902

Hiraoka's innovative production techniques and processing technology have elevated the level of Tent Sheet standards worldwide. Our application of high-quality polymer coatings to various textiles has created specialized membranes for countless applications. Years of expertise, research and experience have enabled us to meet the ongoing demands of our consumers and the global community.

When Hiraoka commenced business in 1902, we scoured and dyed cotton and hemp products. Today, our mission is to design and develop an extensive range of products that reflect our customers' changing demands and the environments where they live. Currently, we supply a wide range of creative membrane fabrics, including specialized materials for architectural structures, to clients all over the world.



### HIRAOKA & CO., LTD.

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### HIRAOKA'S WORLD-CLASS TECHNOLOGIES RAISED THE BAR FOR ARCHITECTURAL MEMBRANES

Hiraoka's conventional PVC-PVDF Series reflects substantial high-tech advancements. Our vast experience and extensive research has established world-class proprietary processing and compounding technologies, excellent antifouling properties, stain retardation and protection against dirt and grime. The unique surface treatment of Hiraoka's architectural membranes maximizes antifouling performance and provides maximum water repellency.

### FORMIDABLE WEATHER RESISTANCE PROPERTIES

Hiraoka's 20 years of technological expertise allows us to stand behind a 20-year warranty for our HG Series architectural membranes, and a 25-year warranty for HG Series-SHS Type membranes. Dedicated research of surface treatments has resulted in the creation of enhanced ultraviolet blocking functions and advanced weather resistance technologies.

### NONABRASIVE HF WELDING TECHNIQUE MEETS PURE PVDF SURFACES

Hiraoka's membranes are famous for their excellent and dependable fusing performance. In 1984, Hiraoka patented a nonabrasive, direct High Frequency welding technique that did not ruin membrane surfaces. Pure PVDF is impossible to weld without the abrasion of membrane layers; however, Hiraoka's research and design team developed a pure PVDF outer layer that withstands high tension and can be welded without abrasion. Despite the success of this technique, Hiraoka's research team conducts ongoing research to improve and advance welding methods for the future.



Nipah mall, Indonesia.  
By PT Karya Atap Membrane.



The Shanghai EXPO Korean Enterprise Pavilion facade uses SG-1800 semi-transparent fabric. By MakMax-Taiyo Kogyo Group