SUMITOMO RIKO

PRESS RELEASE

July 11, 2018

“Refleshine”, Sumitomo Riko’s Highly Transparent Thermal Shielding and Insulating Film for Windows, to be Exhibited for the First Time at Green Architecture and Construction Materials Expo 2018 in Shanghai

~Launch of overseas sales promotion as new product to help China’s environmental measures~

Sumitomo Riko Company Limited (Headquarters: Nakamura-ku, Nagoya-shi; President: Tetsu Matsui) will exhibit Refleshine, its highly transparent reflecting and insulating film for windows, for the first time at the Green Architecture and Construction Materials Expo 2018 (Shanghai International Green Architecture and Construction Materials Expo) to be held from July 18 in Shanghai, China.

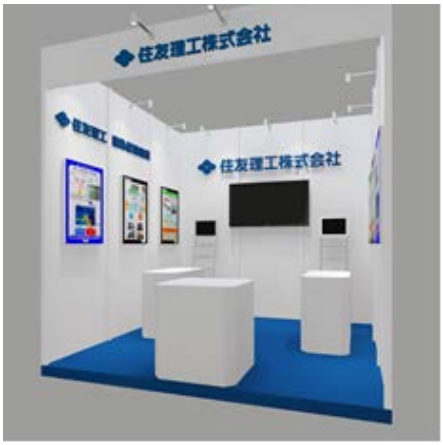

Image of booth

Refleshine, highly transparent reflecting and insulating film for windows

Refleshine was launched on the Japanese market in August 2010 as a film for windows consisting of a transparent, nano-hybrid multi-layered membrane, which reflects (shields) thermal rays from the sun and curbs rises in interior temperatures while keeping the interior bright. Later, in October 2012, we developed a product combining this heat-shielding function with a thermal insulating function that retains indoor heat by reflecting far-infrared rays emitted from heating appliances. This green product is expected to enhance people's indoor living environment and energy savings all year round.

China is working as a nation to realize a low-carbon society through energy conservation and environmental protection, and is calling for energy saving measures not only in new buildings but also existing buildings*. We have positioned Refleshine as an effective energy efficient product for existing buildings in northern and eastern China, where there is both hot and cold weather, and will start to sell it on the Chinese market as a green thermal shielding and insulating product that can be affixed to large windows. We will develop markets from Beijing, Tianjin and Shanghai, and are aiming for sales of ¥370 million by 2022.

This exhibition, Green Architecture and Construction Materials Expo 2018, is China's largest green architecture and construction materials trade show and the country's only comprehensive international architecture and construction materials show to be recognized by the UFI (Global Association of the Exhibition Industry). Every year more than 100,000 people from construction materials makers, design companies, building contractors, and so on attend the event.
At our booth, we will display demonstration machines offering a hands-on experience of the performance of Refleshine, and give visitors a presentation on its energy reduction effects.

【Outline of exhibition】

Exhibition name	Green Architecture and Construction Materials Expo 2018 (Shanghai International Green Architecture and Construction Materials Expo)
Exhibition dates	Wednesday, July 18 to Saturday, July 21
Venue	Shanghai New International Expo Center
Booth no.	Exhibition Hall E1, Area A, Booth 468

Reference: Refreshine performance specifications

Product No.	Function	Thickness (without separator)		Solar radiation			Visible light		UV rays	Heat transfer rate * 2
			Shielding coefficient * 1	Transmittance	Reflectance	Absorption rate	Transmittance	Reflectance	Transmittance	
		μm	-	%	%	%	%	%	%	W/m² ℃
3mm transparent glass	-	-	1.00	87	8	6	90	8	74	6.0
Refleshine TW32	Thermal shielding, insulation	92	0.66	54	25	21	73	15	Less than 1	4.5
Refleshine TW36	Thermal shielding, insulation	77	0.59	45	29	26	66	19	Less than 1	4.5

* 1: The amount of solar radiation (sum of transmitted amount and re- absorbed/re-radiated amount) entering the room, taking 1 as the amount with 3mm glass
* 2: Numerical value indicating heat movement. The amount of heat transferred per m^2 when the indoor temperature difference is 1℃.
* The above performance values are representative and are not guaranteed.

*China's 13th Five-Year Plan

About Us----------
Founded in 1929, Sumitomo Riko is a manufacturing company headquartered in Nagoya-shi, Aichi, Japan. We changed our name from Tokai Rubber Industries, Ltd. in 2014. In the field of "Automotive (Mobility)", we manufacture anti-vibration rubber parts, in which we have a leading global share, as well as rubber and resin hoses, urethane sound controlling & insulation products, and interior equipment. We are also applying the technologies we have accumulated in automobile parts development to expand our business in the fields of "Infrastructure and Housing environment", "Electronics", and "Healthcare". Utilizing our global network of 106 bases in 23 countries, we aim to be a "Global Excellent Manufacturing Company" that contributes to the safety, comfort, and environment of people worldwide.

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