

PRESS RELEASE

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IQue[®], Engineered by V-KOOL[®], Launches New Genre of External Glass Surface Treatment Solution

5th October 2009, Singapore – Commercial building owners, facades consultants and facility managers can now look forward to IQue[®] new genre of external glass treatment solution. It will enable them to solve commercial properties' solar heat load problem, often associated with laminated, low-e or wired glass glazing systems on skylights or vertical glass facades.

Due to limited access to skylights' glass facades and the innate attributes of laminated, low-e or wired glass glazing systems have posed installation challenges. This has prevented building owners or facility managers from enjoying the benefits derived from window coating films. These benefits include blocking off solar heat gain that minimizes the usage of air-conditioning system, lowers electricity cost and reduces carbon footprint.

"The advent of IQue[®] new genre of glass treatment solution, in the form of external window film coatings — outside weatherable series (OSW) — will solve the intense solar heat gain problem experienced by commercial buildings. They are installed on the external surface of glass facades that rejects heat from penetrating through, thereby leading to energy savings and reducing the risk of glass breakage," said Mr. Wilson Lim, General Manager, V-KOOL[®] International.

Specifically, the new genre of glass treatment solution in the range of IQue[®] 18A (OSW) and IQue[®] 38A (OSW) will enable the following:

- Reject up to 82% of total solar energy;
- Enable effective glare control;
- Overcome traditional films installation challenges whereby there are significant risks for glass stress and breakage;
- Overcome structures where indoor accessibility is limited or unavailable. External glass treatment solution do not require disturbance of occupants;
- Maintain low-e attributes of glass, thereby reducing the risk of glass breakage and seal failure; and
- Protect glass facades from dirt, scratch-proof and easy maintenance.

Occupants of commercial properties fitted with the new genre of IQue[®] external window film coatings will experience a comfortable working environment, thereby leading to an increase in productivity and protection from harmful UV rays that causes skin cancer. Commercial building owners or facility managers will enjoy a quick pay-back or return on investment (ROI) in the form of energy savings and reap climate control benefits by reducing carbon footprints.





About V-KOOL® International Pte Ltd

V-KOOL® International is recognized globally as the leader in providing daylight harvesting and energy efficiency solutions through advanced thin film coatings for architectural and automotive glass. V-KOOL® Technology is widely adopted by automotive dealerships of Audi, Mercedes, Volvo, Volkswagen, Renault, Peugeot, Citroen, Toyota, Nissan, Subaru, Mazda worldwide. To-date, 20 million car owners in close to 30 countries are enjoying the benefits of up to 94% heat rejection and reducing more than 2.4 million tonnes of CO₂ emission with V-KOOL®.

V-KOOL® provides a full suite of energy efficiency and heat control solutions for architectural glass through its endorsed brand, IQue®. The anchor product of IQue®, known as 53GII, is a 2nd generation advanced coating which is world's first 10-layer coating of rare metals vacuum sputtered on top 1% grade of polyester substrate to produce a thin film which gives absolute balance of lighting and heat control for effective luminous efficacy. IQue® can be found in prestigious buildings such as American Institute of Architects (USA), Brain & Mind Research Institute, University of Sydney (Australia), The Institute of Architectural Design & Research, Shenzhen University (China), Aeropuerto Las Americas (Dominican Republic), McDonald's Restaurants (Hong Kong), The Pan Pacific Hotel (Malaysia) and Tock Seng Hospital (Singapore).

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