

Emirates SkyCargo collaborates with DuPont on enhanced temperature protection solution

Emirates SkyCargo in collaboration with DuPont is rolling out a new white cover solution as part of its endeavour to offer a range of innovative cool chain temperature solutions. The new White Cover Xtreme, featuring DuPont's Tyvek Xtreme W50 material, offers enhanced protection for temperature sensitive cargo in hot, cold and wet weather conditions.



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Tyvek Xtreme W50 builds on DuPont's patented Tyvek high-density polyethylene material used in Emirates SkyCargo's White Cover and White Cover Advanced solutions to offer more robust protection in changing and extreme weather conditions. The new triple layered White Cover Xtreme acts as a shield reflecting solar heat when temperatures are high and as a barrier for conduction preventing heat from escaping when temperatures are low thereby helping maintain cargo internally at the right temperature. In addition, White Cover Xtreme is breathable and allows water vapour to escape preventing condensation from forming on the surface of cargo and affecting the integrity of the shipment. White Cover Xtreme acts as a single solution that offers a high level of protection in harsh winter as well as summer weather conditions.

Protecting perishables, securing packaged pharmaceuticals shipments

Over the last few years, Emirates SkyCargo has been working with DuPont to build its portfolio of lightweight thermal cargo covers which offer an effective first level of protection for cargo against external heat and weather fluctuations. An industry pioneer in the use of specialised covers, Emirates SkyCargo introduced White Cover Advanced in April 2016 which followed on the earlier success of its White Cover solution. White Cover is primarily used for protecting perishables such as fruits and vegetables having a higher temperature tolerance, whereas White Cover Advanced is used for securing packaged pharmaceuticals shipments which are more susceptible to increase in heat. The new White Cover Xtreme will help shield temperature sensitive shipments, including pharmaceuticals, which travel through extreme and variable weather conditions from origin to destination.

Emirates SkyCargo is the first air cargo carrier globally to be introducing DuPont's Tyvek Xtreme W50 material in its White Cover protection solutions focused on ground handling. Working together with the world's leading air cargo carrier with a global network of over 155 destinations, DuPont gets critical feedback to refine the research and development for new products and solutions in the cargo cool chain. The two companies worked extensively on ground trials for White Cover Xtreme and roll out for customers will begin in late August 2017.

Renewal of collaboration agreement

The collaboration between Emirates SkyCargo and DuPont on the new White Cover Xtreme is part of an existing agreement between the two companies to develop new temperature protection solutions, in particular, thermal covers, for the air cargo industry. The agreement was renewed for a further period of two years until 2019 during the Air Cargo Europe event in Munich in May this year. The agreement allows the players to continue developing cost-effective innovative end to end protection solutions for temperature sensitive cargo keeping in mind the needs of the end customers.

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