

Prevent Bad Odour, Mould, Fungi and Mildew during Packaging, Storage and Transit

Adequate protection against moisture damage is an imperative for Garments exporters worldwide. Garments absorb moisture during the making and packaging process and develop bad odour, fungi, mould and mildew during their storage and long transit period. Garments packaging and storage in a moisture controlled environment is vital to eliminate bad odour and ensure safe storage and transportation of garments to avoid client's rejection.

Effects of Uncontrolled Humidity

Garments when processed and packed in a humid environment, where the air is warm and moist, absorbs moisture from the air and moisture get sealed inside the polythene packaging. Under conditions of 90% humidity and ambient temperature of 30 °C, one cubic meter of air contains nearly 30g of water.

As container travels across different geographic locations and varied climatic zones, it undergoes many cycles of change. When the outside temperature of the container drops, garments get cooled, causing hygroscopic or moisture absorbing clothing to release water vapour. The cold temperature inside the plastic packaging prevents the water vapour from being absorbed into the air. This moisture condenses as the temperature of the shipping container and air inside polythene falls below the dew point of the air trapped within the plastic packaging. All this moisture around the product could lead to the serious issue of bad odour, fungi, moulds and mildew during shipping which could eventually results in rejections and economic damage to the exporter.

Bry-Air Solution

Bad odour and fungus growth are reduced to acceptable levels in case garments are allowed to dry with dehumidified air and packed in a moisture controlled environment.

Firstly garments are kept inside the room (dry room) under dehumidified conditions for 4-5 hours at $35 \pm 5\%$ RH at a temperature slightly above ambient to allow the surface moisture from the items to go away. Then, dried garments are to be packed in a room (packing room) at an RH of $35 \pm 5\%$ at ambient temperature. The suitable tonnage of the air conditioner is to be used for maintaining temperature (not below 29°C) for the people working inside.

Bry-Air has sold over 100 units to garment manufacturers and exporters world wide. Bry-Air Desiccant Dehumidifier are capable of maintaining a RH as low as 1% or even lower at constant level, regardless of ambient conditions and thus maintain the ideal environmental conditions for Turbine Storage / Power Plant Layup.

Bry-Air Dehumidifiers offer the simplest and most cost-effective solution to moisture/humidity problems during Turbine Storage/ Power Plant Layup thereby preventing costly repairs and emergency outage

