

HUMIDITY CONTROLLER FOR ART



Product Description

A humidity controller is specially designed for artwork, artefacts & cultural assets, Humidity Controller is a moisture sensitive silica material which adsorbs and desorbs moisture to maintain a constant humidity in a sealed environment. Climatic changes in temperature and humidity can degrade pieces of art and historical artefacts over time, causing colour fading, cracking, and deformation. Although air conditioning mitigates the effects of heat and humidity, a stable microclimate is still required to preserve your artworks and artefacts. Humidity Controller minimises the deterioration of fine pieces of art and history from climatic fluctuations, protecting your heritage items for future generations.

Art Sorb Humidity Controller vs Silica Gel

Ordinary silica desiccants only take in moisture, which might result in an overly dry environment that is not optimal for precious art works. Able to react fast enough to humidity changes, Humidity Controller provides precise humidity control in environments between 40 – 70% relative humidity.

Applications

Humidity Controller can be used in display cases and performs best when it is airtight. When there is a heat source such as a light, use a heat shield to block the light or place the light outside the box. This humidity controller must have adequate contact with air to be effective while being airtight and has to be spread out evenly. It must not be in contact with the artefact.

Industries Served

- Aerospace
- Arts
- Defence
- Electronics
- Engineering
- Food
- Forestry
- Logistics
- Pharmaceutical
- Power and Refinery



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Key Features

- Works well with artefacts and arts
- Lasts for a lengthy period of 5 years and needs to be re-humidified after 3 years
- Maintains relative humidity between 40%-70%



Selection Guide

Relative Humidity	Material
RH55-65%	Paper, wood, dyeing and weaving products, Japanese lacquer
RH50-65%	Elephant tusk, pelts, parchments, nature related works
RH50-55%	Oil paintings
RH45-55%	Fossils
RH45% Max	Metal, rocks and ceramics (desalination required)

Beads	Perfect for easy set-ups in display cases and containers
Sheet	Used as a humidity controller for display cases, shipping containers and back of frames
Cassette	Convenient product which can be set up and taken down at site
F-Type	Ideal for small storage, shipping and exhibitions
S-Type	Cut to fit needs of consumers

Product Specifications

Product	Packaging	Dimensions	%RH	Coverage Volume
Beads	16 Kg (2 x 8 Kg Tin Cans)	1.7 – 4.0mm	40, 50, 55, 60, 65, 70	1lb = 16 ft3
Sheets	20 per case	20" x 20" x 1/8"	40, 50, 60, 70	1 Sheet = 3.5 ft3
Full Cassettes	22 pieces per case	13" x 4 3/8" x 15/8"	40, 50, 60	1 Full Cassette = 26 ft3
Half Cassettes	44 pieces per case	13" x 4 3/8" x 7/8"	40, 50, 60	1 Half Cassette = 13 ft3

Related Products



Silica Gel



Activated Clay



Activated Alumina



Activated Carbon



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