

**Keywords:** Airslide fabric, air slide fabrics, air slide belt, air permeable fabric, fluidizing fabric, air slide belt fabric, air slide cloth, air slide belt, air slide filter cloth, aero cloth, air slide canvas, solid woven air slide material

## **China Sunrise Machinery – Air Slide Fabric**

**[www.air-slide-fabric.com](http://www.air-slide-fabric.com)**

**86-513-88820117**

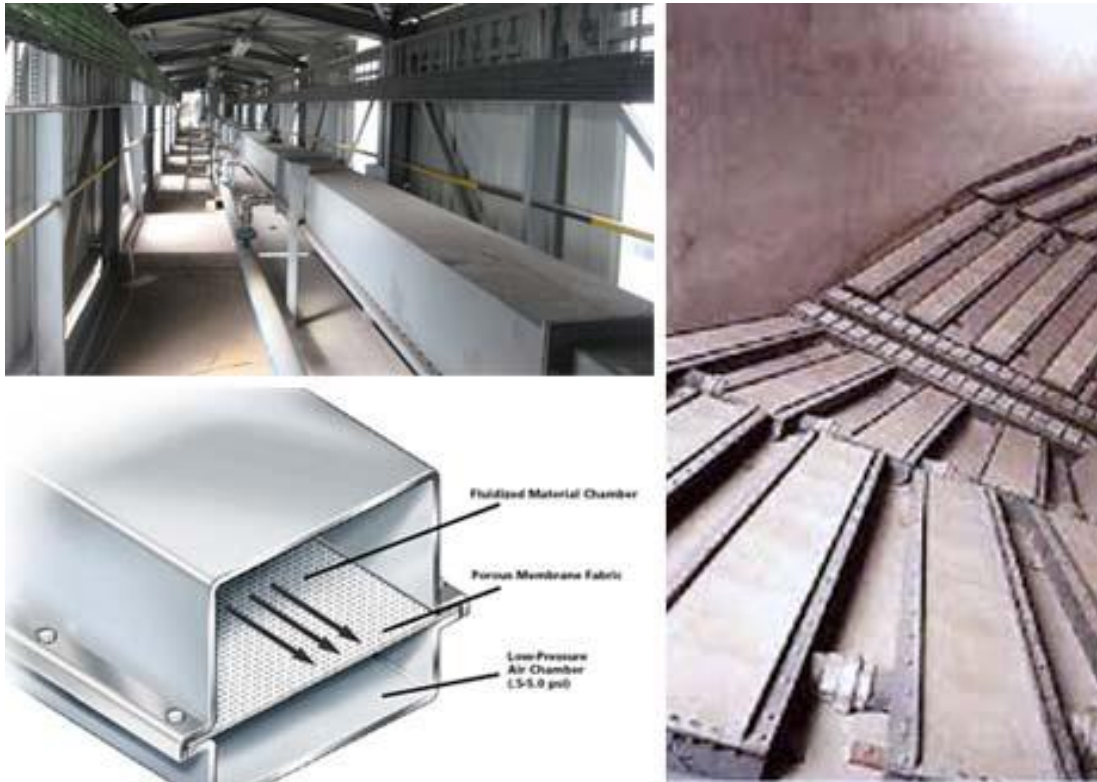
# **Product Manual**

## **1. Brief Introduction**

Air slide fabric is one product which uses high-quality polyester staple fiber as raw material, integrated by the heavy-duty loom, weft interwoven fabric made of multi-layer. Air chute breathable cloth used in the cement plant air transport chute, Homogenization library air box, Pneumatic lifting pump and bulk cement transport vehicles and bulk cement carriers such as pneumatic conveying breathable layer. Because of different uses, in different regions, air slide cloth is also named: air slide fabrics. Other specifications between 10mm to 1600mm can be produced at any time according to user needs; more than 1600mm of special specifications to be agreed in advance. Common specifications are [250mm](#) [270mm](#) [480mm](#) [580mm](#).

## **2. Working Principle**

The air slide cloth is spread in the middle of the material chamber and the air chamber, Powder material will come into the chute above Airslide belt. Material will flow to the chute lower side as pneumatic blower down Airslide belt. The product is spread between the material and the air chamber, the following is the gas chamber, the above is the material, under the action of air pressure through the product, the material fluidized, so as to achieve the purpose of transport. Airslide fabrics are used for pneumatic conveying of fine dry products such as cement and other raw materials.



### 3. Features of air slide fabric

- Clear lines, the surface smooth, straight, convenient geometric size;
- Good air permeability, air flow uniformity, stability, low resistance, power consumption province, maintenance and easy maintenance;
- Tensile strength, no stretching, no deformation, run-off layer, do not collapse waist, can not afford to arch, do not leak powder, no material loss, pollution-free environment;
- Good permeability, only through the gas, can not through the powder, moisture absorption, low adhesion, smooth surface, easy powder flow, long-term use is not blocked, and easy to restore breathability.
- Do not need to tighten the facilities at the time of installation, not to take off the floor at run time, do not collapse the waist, can not afford arch, no leakage of powder material, no material loss, no pollution environment

### 4. Technical indicators

- 1) Conveying materials: dry powder, granular materials, water content  $\leq 1\%$ , temperature  $\leq 150$  degrees.
- 2) Ventilation resistance: in the  $2m^3 / m^2min$  conditions, 800pa-1200pa; with the increase in air velocity, pressure increases, the resistance can be increased dramatically.
- 3) Width: commonly used 0.1-1.8m, unconventional booking. Thickness: 5-6mm.

## 5. Usage method

- 1) When the use of breathable cloth need to be cut, cut a good cloth to be edge processing, with a heated electric iron will incision hot side.
- 2) The air slide cloth divides the air slide into upper and lower chambers.
- 3) In the installation should pay attention to prevent the fire burned breathable fabric, to prevent welding slag, gas cutting block to burn it, affecting the normal ventilation.
- 4) In the feed inlet to install the buffer plate, the use of wide breathable cloth to have porous liner to protect the breathable layer, to extend the period of use.

## 6. Applications

**Building and Construction :** Cement, Furnace Dust, Gypsum, Limestone, Calcium Hydroxide, Lead Monoxide, Production of Aluminum, Acid Crystals, Pure Clay, Phosphates, Magnesite Concentrate, Finely Ground Fluoride, Finely Ground Quartz

**Chemical Industry :** Thomas Meal (Fertilizer), Rubber Compounds, Sinter Dust, Catalysts Sodium Sulfate, Soap Powder

**Power Stations :** Filtered Dust, Flue Ash, Discharging Flue Ash, Coal Dust

**Silos / Tanks :** Discharging Systems, Mixing Equipment, Homogenizing Systems, Warehouse Units

**Vehicles :** Silo Truck Discharging Cones, Railway Wagon Discharging Cones, Vessel Aeration & Discharging Bottoms, Container Aeration & Discharging Bottoms

**Chute Bottoms** : Silo Truck Discharging Cones, Railway Wagon Discharging Cones, Vessel Aeration & Discharging Bottoms, Container Aeration & Discharging Bottoms

