



Indicating Desiccant Disks

Purpose

To protect goods in an enclosed container from rust, corrosion, mold and other moisture-related damage

What is it?

Indicating desiccant disks are round, flat containers of desiccant that can be adhered to the inside walls of containers or other compartments to guard against moisture. The desiccant gel inside the disks changes color as ambient moisture is adsorbed. The color change from orange to pale yellow allows users to visually determine that the disk has reached its adsorption capacity and should be replaced.

Why use it?

Although products like chemicals, powdered goods and other sensitive components can be extremely hygroscopic (moisture absorbing) in nature, their shapes, forms and sizes can make traditional desiccant protection difficult. Desiccant bags and packets, for instance, can be lost or forgotten if dropped directly into powdered mixtures. They can also create difficulties if space is of concern.

Indicating desiccant disks are ideal when desiccant protection is necessary, but direct contact with the desiccant is not desired. Disks are small and effective, and can be conveniently applied to most surfaces. And, because they clearly indicate when the desiccant should be replaced, users know their products will always be properly protected.

Usage requirements

Remove the cover from the disk's round adhesive label and mount the disk to the inside of a sealed, moisture-resistant container or compartment, such as the bottom of a pail lid or the door of an instrument or electrical panel. Remove the foil cover from the top of the disk to activate it, and then close the container or compartment.

Replace the disk when the orange desiccant color turns to a pale yellow, indicating that it has reached its adsorption capacity.

Performance

At 80 percent relative humidity and 25°C, the desiccating disk has an adsorption capacity of ≥ 16 percent. Residual moisture is ≤ 3 percent.

Available configurations

Indicating desiccant disks are available in the following configuration:

- Weight: 34.3 grams (+/- 10 percent)
- Diameter: 62.8 mm (+/- 0.15 mm)
- Thickness: 18 mm (+/- 10 percent)



Indicating desiccant disks can be adhered to the walls of containers or other compartments to protect against moisture. The desiccant changes from orange to yellow to indicate when it should be replaced.



Typical applications:

- ✓ Chemicals
- ✓ Electrical control panels
- ✓ Robotics
- ✓ Lab equipment
- ✓ Medical and dental instruments
- ✓ Museum and retail display cases

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