Contact for more information: info@adsorbi.com

Purchase at www.deffner-johann.de

Adsorbi CR

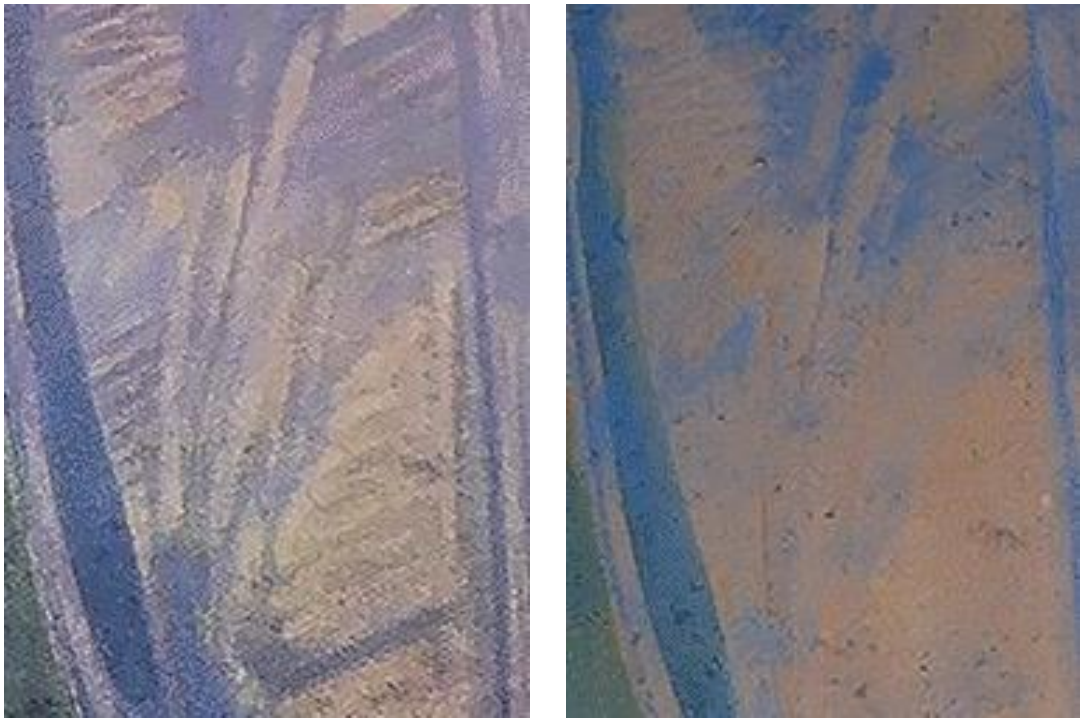
Safe and Sustainable Capture of Harmful Air Pollutants – Developed for Preventive Conservation

Adsorbi CR is a bio-based adsorbent developed through years of chemistry research in collaboration with conservators, specifically for preventive conservation.
Made from wood-based cellulose, it offers a more sustainable approach to air quality control.

The problem

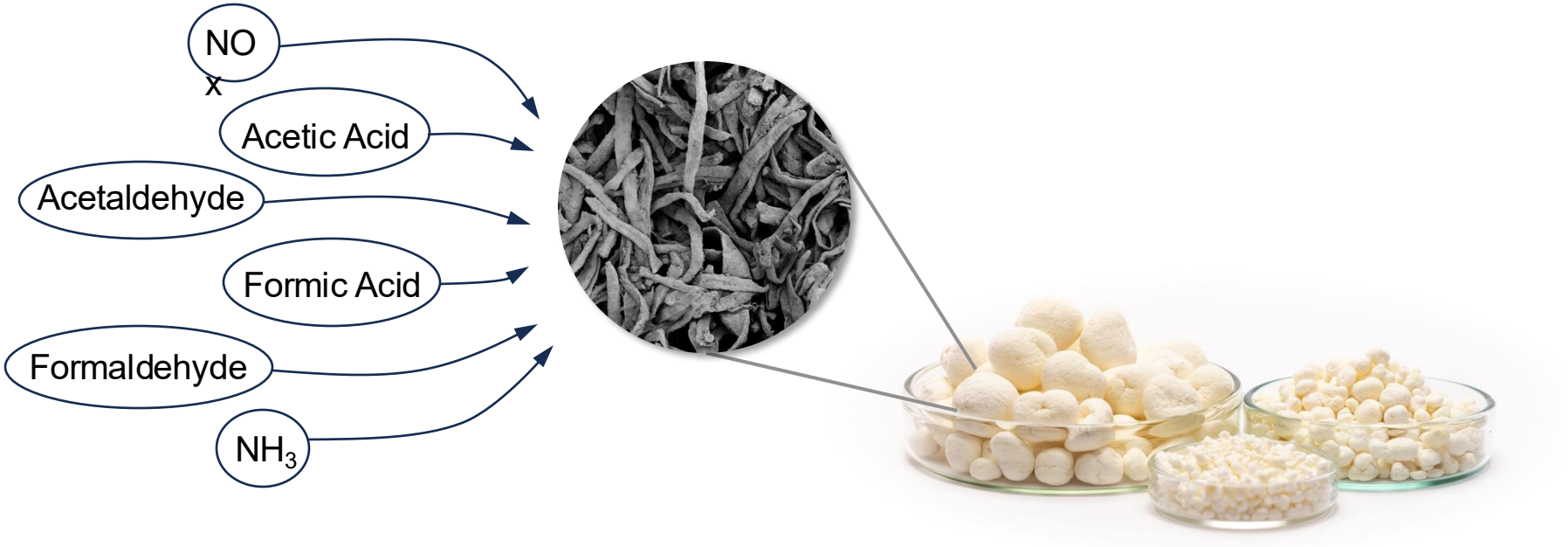
Air pollutants are causing long-term and irreversible damage.

Gaseous pollutants are irreversibly damaging artworks, cultural heritage objects, and other valuable artefacts. Most of which emit pollutants themselves, along with their packaging and display cases. This makes pollution in conservation difficult to avoid.



Paint fading due to acidic cardboard canvas

The technology



The high surface area attracts gaseous pollutants

Active groups binds the pollutants in the material - irreversibly

The concentration of pollutants in the environment decreases dramatically

The benefits

High performing

- ✓ Specific pollutant capture
  - Aldehydes, organic acids, NO_X, and more
- ✓ Long lifetime
- ✓ Performing in high & low humidity

Safe

- ✓ No re-release of pollutants
- ✓ Dust-free
- ✓ Oddy-tested

Easy-to-use

- ✓ Easy to place & replace
- ✓ Color change to indicate replacement time
- ✓ Can be used with silica gel

How to use?

1	2	3	4	5
Open the packaging containing Adsorbi CR from the sealed packaging. Do not open unless they are planned to be used immediately.	Place Adsorbi in a display case or other storage solution. The Adsorbi CR granules can be placed in containers suitable for the environment e.g., petri dishes, non-woven bags, etc.	A color-change function indicates when the material should be replaced. Monitor the material every 6-12 months.	Replace Adsorbi CR material when the color turns yellowish-brown. Place new Adsorbi CR material to maintain low pollutant concentration.	Dispose the used Adsorbi CR in waste for incineration or according to local regulations.