

# Ultimate Dust Control Performance



## **ZycoBond-DS**

ZycoBond-DS is a UV stable dust control pallative that can offer long term dust control to unpaved site such as gravel roads, county roads, open pit mines and industrial construction sites. ZycoBond-DS is designed to be spray applied via simple dilution in water, and functions to simultaneously capture dust and waterproof the sprayed surface.

## BENEFITS

- Water Dilutable & Easy to Apply
- Captures Existing and New Fines
- Improved Erosion Resistance
- Waterproofs the Surface
- Non Leaching
- Environmentally Friendly
- Odor Free

## DUST CONTROL CHALLENGES

Dust control on road surfaces is typically done using Calcium / Magnesium Chloride or blended brines or frequent water sprays. However, these treatments do not give any bonding to soil particles and get washed away during wet spells. ZycoBond-DS is a UV and heat stable nano acrylic co-polymer dispersion in water, and can be utilised to reduce the number of watering cycles required to maintain a surface dust free.

By chemically bonding to dust particles, ZycoBond-DS offers excellent dust control and erosion resistance for unpaved roads & shoulders. Additionally, it also provides a strong waterproofing effect to the soil thereby mitigating water damage.



## APPLICATION SCHEDULE

Time of Spray / Frequency	Diluted ratio Zycobond : Water	Time Duration	Application Areas
Spray to capture existing dust & fines and build up polymer concentration	1 : 100	1st week	Dirt roads Gravel roads
Spray to maintain polymer concentration and capture fresh fines.	1 : 200	2nd week onwards	Open public grounds Parking lots etc.



## STORAGE & SHELF LIFE

Store Zycobond between 5 – 45 °C (41 - 113 °F) in a shaded, dry area away from sunlight, heat, source of sparks, rain and standing water. Fasten the container lid securely after every use. Its shelf life is 48 months.

## ABOUT ZYDEX

Established in 1997, Zydex is a specialty chemicals company with the purpose of innovating for sustainability.

Beyond pavement products, Zydex offers a diverse set of chemical technologies for the textile, agriculture and civil construction industries. We were recently recognised as one of the 25 Most Innovative Companies in India by the Confederation of Indian Industries (CII).

### Sustainable Green Chemistry

Zydex is deeply committed to sustainable chemistries that ensure a greener future for everyone. Our commitment has made us a pioneer in introducing non-polluting and non-hazardous technologies that conserve, protect and enhance the environment. Pursuing chemical innovations that would mean a greener, purer and more resource renewable world is our passion. Our technologies have been recognized by the International Road Federation (IRF), and have been globally adopted.

## GLOBAL PRESENCE

