

RDC 20TM

ROAD DUST CONTROL

"Dust suppression has become a 'must have' rather than a 'nice to have' in order to comply with safety and environmental and occupational guidelines set through new legislation. RDC 20 is an affordable and effective solution to achieve this."

– extract from article in **Mining Weekly** (September 2018)

RDC 20 IS AN EFFECTIVE, LOW-COST SOLUTION FOR HAUL ROAD DUST SUPPRESSION

RDC 20 FOR SECONDARY HAULAGE & PIT ROADS

RDC 20 is an environmentally friendly formulation composed of blended emulsified copolymers and ionic modifiers, engineered specifically for secondary haulage roads.

Effective across a wide range of soil types and climatic conditions, **RDC 20** is made entirely from natural ingredients and is 100% biodegradable. When applied to gravel road surfaces, it forms a durable cross-linked matrix that binds fine soil particles into larger, heavier aggregates, significantly reducing dust emissions and improving road stability.



The table below shows results of a study done at a prominent open pit mine, comparing RDC 20 use against water as dust suppression practice:

BENEFITS AND SAVINGS	
DESCRIPTION	OUTCOMES
APPLICATION FREQUENCY	50% REDUCTION
WATER USAGE	50.2% REDUCTION
DUST FALL	53.8% REDUCTION
pDR READINGS	47.3% REDUCTION
VEHICLE RUNNING COST	50% REDUCTION
FUEL USAGE	53.6% REDUCTION
CARBON FOOTPRINT	53.6% REDUCTION

RDC 20 is a lignosulphonate-based dust palliative with a proven track record of **over fifteen years** in the market. Widely applied across some of the largest mining operations in southern Africa, it was **first introduced to the industry by I-CAT**, pioneering the use of lignosulphonate-based dust suppression solutions in the mining industry. RDC 20 is specifically formulated to match the unique soil composition and operational conditions of each site, ensuring optimal performance.



CERTIFIED



ECO SUSTAINABLE PRODUCT
100% Environmentally Friendly

RDC 20 is fully water-soluble and simple to apply, enhancing tyre traction while reducing the frequency of grading and watering on haulage roads. This results in significant conservation of water resources and lower overall operational costs.

The cost of **RDC 20** is easily offset against savings in water, fuel, labour, vehicle maintenance, tyres, and road upkeep.

APPLICATIONS

- 🚚 **RDC 20** is diluted with water into a water bowser and applied as a surface spray.
- 🚚 The dilution ratio is site specific and depends on variables i.e. climate, traffic, etc.
- 🚚 The application frequency is also site-specific but usually not more than three times in a 24-hour cycle.
- 🚚 **RDC 20** can also be used as a subbase stabiliser and blended into the wearing course during road construction. It produces a solid and strong subbase prior to road surface maintenance and dust suppression.
- 🚚 **RDC 20** delivers superior dust suppression performance with substantial cost savings compared to water spraying, while simultaneously enhancing mine productivity and operational safety.

With over 15 years of proven performance, RDC 20 delivers reliable dust control and durability on all haulage and pit roads in mining operations.

