

REC DNS 102

SOIL & DUST CONTROL AND STABILIZER

DESCRIPTION

REC DNS 102 is an aqueous, non-ionic stabilized dispersion of carboxylated styrene/butadiene copolymers resistant to saponification. **REC DNS 102** is widely used as a soil stabilizer. It penetrates into the soil and binds the soil particles into a more compacted and cohesive mass, making the treated soil more resistant to erosion and destabilization. It can also be incorporated into mortars where rapid development of compressive strength and high flexural strength are required.

SCOPE OF USE

REC DNS 102 can be used for:

- Soil stabilization.
- Slope stabilization.
- Railway construction and stabilization.
- Road construction and dust control.
- Soil consolidation before excavation.
- Reduction of soil erosion and destabilization.

PRODUCT CHARACTERISTICS

Product Type	Polymer Emulsion for Dust, Soil & Sand Stabilization
Appearance	Milky White; becomes transparent once applied
Total Solids Content	20 ± 1% (DIN 53189)
Viscosity	300 mPa·s (ISO 1652)
Surface Tension	40 mN/m (DIN 53593)
pH	5.5 (DIN 53785)
Flammability	Non-flammable

INSTRUCTIONS FOR USE

For better dispersion, use REC DNS 102 as a ready-to-use product supplied by RECKON CHEMICALS PVT LTD. If dilution is required, dilute the product with water at a rate of 15% and use the resulting mixture as described below.

PRODUCT APPLICATION

SURFACE APPLICATION

Spray the product evenly onto the compacted soil surface at an average application rate of approximately **1 L/m²**. The actual application rate should be adjusted according to soil type, surface condition, and required performance.

INJECTION THROUGH SOIL

Introduce the material into the soil through holes drilled into the application area.

- Hole diameter: approximately 20 mm
- Hole spacing: approximately 1 hole/m²
- Application quantity: approximately 1 L per hole

The application rate may be adjusted according to soil conditions and the required level of stabilization.

CONSUMPTION

Product consumption depends on several factors, including:

- Soil type
- Impurities
- Particle grading
- Degree of compaction
- Weather conditions
- Surface condition

- Required service life
- Intended application

A site trial is recommended to determine the appropriate application rate for specific conditions.

PACKAGING

REC DNS 102 is supplied in various packaging sizes depending on the request of client

SAFETY PRECAUTIONS

Avoid prolonged contact with skin. Wear suitable protective gloves and eye protection during handling and application. In case of skin contact, wash thoroughly with soap and clean water. In case of eye contact, rinse thoroughly with clean water. Seek medical attention if irritation persists. If swallowed, do not induce vomiting. Seek medical attention. Keep the product away from unnecessary exposure during handling and application. The product is non-flammable.

STORAGE

Up to 1 years when stored in accordance with manufacturer's instructions.

HEALTH & SAFETY

In case of frost, the product recovers its properties after progressive thawing and homogenizing by agitation. In case of contact with skin or eyes, rinse thoroughly with water. If irritation persists, seek medical attention. If swallowed, do not induce vomiting and seek medical attention.

QUALITY STATEMENT

All our products are manufactured to comply with our internal QC program and quality management system to ensure consistency and quality.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use. This Data Sheet version is the latest one. The company may modify it without any prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's head office located in Lahore.

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