

## TECHNICAL DATA

## CORUHARDENER



## *PRODUCT DESCRIPTION*

It is an ecological solution used as a solution for stabilizing, solidifying, hardening or preventing dust formation of all kinds of soil and aggregates. Immediately after application to soil or aggregate, CORUHARDENER copolymer molecules form straight and cross-links with the aggregate or soil and become long nanoparticles. When the water ratio added during application evaporates and is drawn from the soil and aggregate, it forms a long-lasting and water-resistant flexible solid material matrix. After curing, it becomes completely transparent and preserves its naturalness by making the natural cover look as if it has never been touched. It is water-based and single component.

# AREAS OF USE

- Unpaved dirt roads,
  - Land improvement,
  - Construction site areas and roads, construction site parking areas,
  - Heavy vehicle roads,
  - Road base and sub-bases, highway shoulders,
  - Warehouse and stock piles,
  - Power plants, houses and banquets,
  - Helicopter test tracks, forest roads,
  - Airport aprons, agricultural access roads,
  - Mine deposits and fields, border patrol routes,
  - Golf courses and walking paths, parks and recreation areas,
  - Used in storage areas.
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# APPLICATION

CORUHARDENER is a ready-to-use concentrated product. The surface to be applied must be completely dry and free of water. After application, the surface must be protected from rain for at least 72 hours. The temperature must be at least 4°C. Milky white, transparent after curing.

- **Breaking up the soil;** The surface to be applied is brought to the desired depth (approximately 150 – 250 mm) with the help of an excavator. At this stage, vehicles such as graders, rototillers or disc harrows are used to break up large/thick material.
- **Moistening the soil with Coruhardener (Soil surface hardener);** CORUHARDENER is mixed with water, the amount of which is determined by preliminary tests according to the type of soil, in a tanker and turned into a solution. Then, the solution is applied to the soil surface by spraying method in a way that it will be distributed equally on the surface. Spraying process is continued until the ground becomes sufficiently moist.
- **Mixing the soil;** The moistened soil is mixed thoroughly by applying the solution, taking into account the desired depth.
- **Compression of the soil;** The soil treated with Coruhardener is compressed with the help of a roller. After the compression process is completed, the application surface can be opened to traffic after 7 days. Heavy loads should not be carried on the area before this period is completed. The period may be extended or shortened depending on weather conditions.

# *STORAGE, PACKAGING, CONSUMPTION*

- Store in a cool and dry environment. Store with the packaging lids tightly closed.
  - 5, 10 and 20 L PE, drums, IBC
  - **For areas with vehicle traffic on dirt roads: 1 L CORUHARDENER + 4 L water**
  - **For areas with pedestrian traffic: 1 L CORUHARDENER + 6 L water**
  - **For use against dust only: 1 L CORUHARDENER + 8 L water**
  - **In areas with very heavy load traffic such as airports and construction sites: 1 L CORUHARDENER + 1 L water**
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