

AEROGREEN 4035 RUBBER REMOVAL SOLUTION

Before



After



PRODUCT DESCRIPTION:

AEROGREEN 4035 Rubber Removal Solution is an eco-friendly cleaning solution that emulsifies rubber from the runway surface dissolving the rubber residue into the solution. When combined with heavy duty sweeper/broom scrubbing action or hydro agitation, Aerogreen 4035 thoroughly removes runway rubber residue, making the touch down zone safe for landing aircrafts. It is safe for metals, runway lights, runway pavement seals, and caulking compounds.

FEATURES:

- Restores friction to the runway
- Improves overall aircraft traction
- No caustic ingredients
- Protects runway from deterioration
- Compatible with oil/water separators
- Certified by Boeing, McDonnell Douglas, EPA, & AST specifications

BENEFITS:

- Residue free
- Non-flammable and non-combustible
- Biodegradable and non-hazardous
- Safe on vegetation and stormwater systems
- Extends useful life of runway surface
- Environmentally friendly

WHAT IS IT:

AEROGREEN 4035 RUBBER REMOVAL SOLUTION is a water-soluble cleaner that works to soften the rubber, dirt and grime on the airport pavement runway and then by mechanical removal, enables the owner to maintain the runway to safe standards.

WHAT IS IT USED FOR:

It is used to remove the rubber deposits that accumulate on the runway surface over time. These rubber deposits, caused by aircraft landings and takeoffs, can reduce friction, traction, and skid resistance, posing safety hazards. By using rubber removers, airports can effectively restore their runways to optimal conditions for enhanced aircraft control, improved braking performance, and increased safety. 4035 helps prolong the lifespan of the runway surface and reduce maintenance needs and costs.

How It Works:

It works by utilizing specific chemical formulations to break down the rubber deposits that accumulate on the runway surface. The composition of 4035 is designed to target the molecular bonds within the rubber particles, weakening them and causing them to break apart. The active ingredients interact with the rubber, causing it to lose its adhesive properties and become more soluble or dispersible in the remover solution.

APPLICATION GUIDELINES:

Before applying the rubber remover, follow these steps:

1. Gather equipment on the runway and run sweepers back and forth at high RPM in the opposite direction of airplane landings to remove debris and score the runway surface.
2. Adjust the broom pressure to cut into the rubber, not skim the surface.
3. On sunny, hot days, use water trucks to pre-wet and cool down the runway surface.
4. Apply Aerogreen 4035 using applicator vehicles, saturating the runway surface with alternate passes from side to side of the centerline at 7 MPH. Adjust spray jets to ensure complete saturation.
5. Allow Aerogreen 4035 to sit for 15-30 minutes, as it penetrates the rubber buildup and darkens in color.
6. Do not allow the solution to dry on the surface before cleaning.

During the rubber removal process, follow these steps for effective cleaning:

1. Perform agitation with the broom angled towards the centerline. Start with the brush angled towards the centerline and make circular passes, gradually widening the circle with each pass until the entire area is agitated.
2. If using multiple brooms, have them follow the lead vehicle in tandem, all facing the centerline for cleaning. Keep the Aerogreen 4035 wet by adding water to facilitate foaming and prevent drying on the runway surface. Avoid over-wetting; that may force the cleaner off the runway.
3. Run the applicator truck with diluted Aerogreen 4035 in front of the scrubbing brooms to keep the surface wet during cleaning.
4. Continue making passes over the runway until the surface is clean. Start rinsing at the center using a water truck followed by a sweeper. Apply water at full pressure. The sweeper should run the brushes at high speed with an angled position to direct water to the side. Increase the radius of the laps and continue rinsing for 30 to 40 minutes.
5. If the runway runoff goes into open water sources, a vacuum may be required after rinsing. Run the runway vacuum sweeper directly behind the rinse trucks to collect the rinsed solution for proper disposal according to regulations.
6. Sweep the cleaning area with a regenerative air sweeper, including the traffic path of equipment. Use non-metallic bristles and a pick-up magnet to remove any metal debris left behind from the brushes.
7. After completing the operation, perform a post-shift washdown of all equipment to remove the accumulated dirt and mist generated during the process. Use a standard pressure washer or water hose with a pressure nozzle to clean the equipment promptly.



By utilizing airport resources, such as sweepers, bobcats, airport brooms, and manpower, the sweeper-brooming method is the most economical method of rubber removal. One drum of Aerogreen can efficiently clean 10,000 sqft of runway surface.

SPECIFICATIONS:

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| • Readily Biodegradable | Yes |
| • Flammable | No |
| • Combustible | No |
| • Water Solubility | 100% |
| • Caustics | No |
| • Oil/Water Separator Compatible | Yes |

ORDERING INFORMATION

Aerogreen Product Number

4035P	5 Gallon Pail
4035D	55 Gallon Drum
4035T275	275 Gallon Tote
4035T330	330 Gallon Tote

SAFETY/CAUTION:

Rubber gloves are recommended to prevent drying of the skin. Goggles are recommended to protect eyes if splashing is expected. When heated above 125 F, mechanical or local ventilation is required. When using product in steam cleaning and/or pressure washing application wear a rain suit and boots to keep clothes dry. Harmful if swallowed. Avoid getting into eyes. If contact occurs, flush with running water. If irritation persists, get medical attention. May cause dryness of skin with prolonged use, wash hands with cold water and apply hand lotion.

