



AEROGREEN 4035 Rubber Removal Solution

Aerogreen 4035 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.

One of the issues affecting airports worldwide is maintaining runway skid resistance at approved levels while keeping the airport operational. As air traffic increases and the runways are utilized more than ever, finding the windows to execute critical maintenance activities can be a challenging task.

Every time a plane lands each tire leaves on average 1 LB (0.45 kg) of rubber in the runway surface. Special attention needs to be taken as runways covered with rubber become dangerous under rainy conditions, leading to potential runway incidents. Carbonized rubber deposits on airport runways cause a dangerous loss of friction, making the touch-down zone slippery and hazardous, endangering the lives of pilots, passengers and the ground crew. Rubber contaminants also cover critical markings needed for pilots for safe landings. In asphalt surfaces, if left untreated and not removed, over time rubber accumulation causes the pavement to crack leading to inevitable repaving measures. Removing the rubber is the only way to guarantee that airports' runways are safe and pavement assets are protected from deterioration.





Technical Information

Aerogreen Stock Number
4035P- 5- Gallon Pail
4035D-55-Gallon Drum
4035T275-275 Gallon Tote
4035T330-330-Gallon Tote

Application Methods:



R-4 Combination:

This method is widely used by military and commercial airports. It consists of a use of the chemical cleaners and waterblasting. The R-4 method is defined as Responsible Runway Rubber Removal method. The use of **Aerogreen 4035** in combo with lower pressure waterblasting equipment is used.

This method protects the integrity of the pavement and will not harm metals, runway pavement seals and caulking. The method reduces the pressure needed from 40,000 psi to 20,000 psi of the equipment. **Aerogreen 4035** contains no caustics and is biodegradable so there are no hazards to the environment with disposal.

Designed to quickly soften the rubber on the pavement which quickly enables the rubber to be removed.



Chemical Only-Brooming Method:

This method is best for commercial airports. For those airports who do not have access to water-blasting equipment, this method enables the owner to do interval maintenance on the pavement without shutting operations down for an extended period of time.

With this method the **AEROGREEN 4035** is applied to the runway surface, allow short swell time, and rubber is removed using heavy duty sweeper /broom scrubbing action followed by a complete rinse with water to remove the rubber from the markings. This method improves the pilot's visibility of the markings and restores the friction to the pavement. The cleaner will not remove the existing markings.

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 a hand lotion.