



How Amerizorb Throw & Go Products Work

Amerizorb Throw & Go products absorb both water-based and hydrocarbon spills, absorbs them rapidly and holds the spill fast. The primary ingredient of Throw & Go is a sphagnum and sedge peat moss, processed in a way that activates its absorption capabilities, forming an intricate web system with a massive amount of tiny capillaries inside it. These capillaries actively draw the contaminating liquid into the absorbent. Toss Throw & Go onto the spill and the spill is contained quickly and with little chance of future recontamination.

Water-based Spill

Capillary pull sucks the spill into the capillary network within the Throw & Go. The water-based spill is then held tightly to the cellulosic surface (internal surface of the Throw & Go) by hydrogen bonding. This bonding is so extensive that the spill is held tightly in place. For example: In a wreck between two cars, anti-freeze is spilled on the road. When Throw & Go is placed onto the anti-freeze the spill is held fast in the absorbent. When traffic runs over the Throw & Go holding the anti-freeze, there is no recontamination. Even though anti-freeze readily dissolves in water, the anti-freeze is not leached out when heavy rain comes down. The anti-freeze is hydrogen-bonded within the Throw & Go and it is there to stay.

Hydrocarbon Spill

Throw & Go sucks the hydrocarbon spill into its capillary network. But this time the spill does not hydrogen bond to the Throw & Go. Will the hydrocarbon spill recontaminate the site? Let's look at the same example, a wreck between two cars: Gasoline is spilled on the road. We place Throw & Go onto the gasoline spill and it is quickly contained. There is no recontamination when traffic runs over the Throw & Go holding the gasoline because the gasoline is absorbed tightly into the capillary network and it would take immense pressure to free it. A heavy rainfall will even fail to leach the gasoline. Water is not a good solvent for gasoline, therefore the holding capability of the capillary network is more than sufficient to keep the gasoline from leaching.

Conclusions

These experiments in trying to remove anti-freeze, gasoline and oil from Throw & Go have been run many times. The following results are conclusive.

- Throw & Go will absorb rapidly and hold tightly both water-based and hydrocarbon spills.
- Once a spill is absorbed by Throw & Go, it is not released. There is no recontamination.
- Throw & Go is easy to use. Toss it on a spill and the spill is contained. Scoop it up and the spill is held tightly. Throw & Go is user friendly and a natural cellulosic product.

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