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The oil spills clean up revolution: FoamFlex200

FoamFlex200 is an innovative, patented oil absorbent technology for hydrocarbons and their derivatives.

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The product is an open-cell oleophilic polyurethane foam with a hydrophobic effect greater than 95%. This allows the intact recovery of spilled hydrocarbons with less than 5% water. It can absorb about 30 times its own weight of any hydrocarbon. Using a wringing process, FoamFlex200 can be reused over 200 times. One kilogram (1 kg) FoamFlex200 can absorb about 6 tons of hydrocarbons.

FoamFlex200 retains constant performance each time it is reused. The estimated time for saturation is just a few minutes. This allows areas polluted by oil spills to be reclaimed in a short time.

Effective response in any condition

FoamFlex200 is a particularly effective response method thanks to its saturation time of just a few minutes, the possibility of absorbing large quantities of hydrocarbons with a small amount of product, its compact size and its ability to be effective in any geographical area and any conditions in which the spill occurs (weather conditions and viscosity of the spilt hydrocarbon). These characteristics allow the product to be stored easily on any facility or on any vessel or platform, for rapid use as initial means of response.

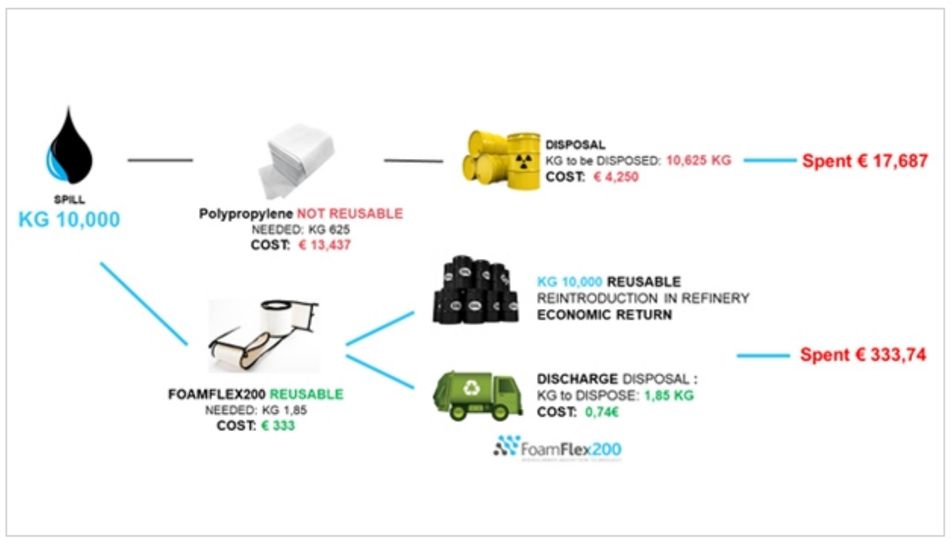
The product's effectiveness has been demonstrated under all weather conditions. When there are rough seas, the waves' kinetics improves the material's absorption. FoamFlex200 can be left in the water for days and recovered when the weather conditions improve, thanks to its ability to retain the spilled hydrocarbons.

The product's effectiveness has been demonstrated under real conditions, even for high-density oils.

Cost reduction

Thanks to its performance and its ability to be reused, FoamFlex200 exponentially reduces the amount of absorbent material required for the reclamation of oil spills. Similarly, disposal costs are cut drastically. The amount of material requiring disposal is reduced more than 200 times. The hydrophobic effect eliminates the unnecessary cost of water disposal.

FoamFlex200 recovers intact hydrocarbons without water, also allowing the recovery of the economic value of the spilled hydrocarbon.



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