



REMOVE OIL STAINS FROM SURFACES

Sepiolite is still the most widely used powder to remove oil stains from surfaces. This is however an underperforming solution both for the considerable amount of product to use, with greater waste to dispose of, both for the imperfect cleaning of floors.

Airbank, compared the performance of this classic mineral with its innovative absorbent products: Firesorb, Stone Universal Sorb and Oko-Pur. The results of the tests, carried out at the Company's lab, are significant.

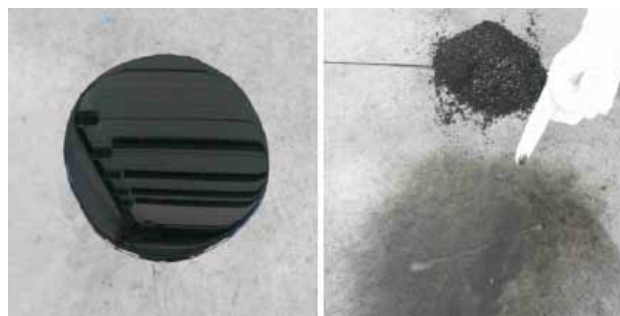
TESTING METHODS

To carry out the tests we produced a stain on concrete with 100 grams of used oil (one of the most difficult types of oils to be absorbed) which was then absorbed by a known quantity of product.

For each test, the used powder was weighed into a glass and then we quantified the number of glasses necessary to completely absorb the stain. The evaluation of the results was made by considering two factors: the absorption capacity by weight (how many kilograms of oil can be absorbed with 1 kilogram of powder) and cleaning of the surface.

The first test was made with sepiolite. To absorb the stain of 100 grams of oil we used 4 glasses of powder (600 grams in total). The absorption capacity has been thus 16.7%. The surface, after the test, was still noticeably dirty and especially greasy...

SEPIOLITE



BEFORE TREATMENT

AFTER TREATMENT

AIRBANK PRODUCTS

AIRBANK > FIRESORB

With Airbank products results were different. The first test involved Firesorb: in this case, to absorb the same oil stain, we used 2,5 glasses of powder, i.e. 100 grams. The absorption capacity of Firesorb has been 100% (6 times higher than that of sepiolite).



BEFORE TREATMENT

AFTER TREATMENT

AIRBANK > STONE UNIVERSAL SORB

For Stone Universal Sorb we used 2 glasses of powder, i.e. 70 grams: an absorption capacity of 143% (8,5 times higher than that of sepiolite).



BEFORE TREATMENT

AFTER TREATMENT

AIRBANK > OKO-PUR

The best performing powder was Oko-Pur: to absorb the stain of 100 grams of oil, we used 1,7 glasses (50 grams). The absorption capacity has been 200%, 12 times higher than that of sepiolite. Moreover, unlike the mineral, at the end of the tests of Airbank products, the surfaces were perfectly clean and not greasy, so walkable without risks.



BEFORE TREATMENT

AFTER TREATMENT

DISPOSAL

Considering to buy and keep in stock a quantity of powder necessary to absorb the leakage of an oil drum of 200 kilograms, I should keep in stock:

PRODUCT	QUANTITY	BAGS
SEPIOLITE	1200 kg	240 bags of 5 kilograms each
FIRESORB	200 kg	36 bags of 5,5 kilograms each
STONE UNIVERSAL SORB	140 kg	28 bags of 5 kilograms each
OKO-PUR	100 kg	15 bags only of 6,8 kilograms each

Considering also the cost of disposal of the spent product (used powder + absorbed oil), which is calculated "by weight", for the absorption of 200 kilograms of oil, I will have to dispose of the following quantities

PRODUCT	QUANTITY
SEPIOLITE	1400 kg
FIRESORB	400 kg
STONE UNIVERSAL SORB	340 kg
OKO-PUR	300 kg