



Q & A - version 2020:01



1. What is the main difference between i-spraywash and conventional foamers?

There are many differences between i-spraywash and most foam systems available in the market in the world. First of all, i-spraywash is based on tablet technology whereas conventional foamers are used in combination with liquid chemicals.

When working with tabs, you not only use green chemicals, you're also making a great choice for the planet saving lots of water, plastics, transportation, CO₂, crude oil etc. The i-spraywash concept is also a lot faster, easier to operate and with integrated dosing and colour coding available, it's also a safer and better choice.

i-spraywash changes the way you think about foam cleaning and is designed to be used in many different applications.

2. Why and how is the foam effect different with i-spraywash?

i-spraywash covers the surfaces with active and intelligent foam faster than other application systems. The combination of the concentrated green surfactant-based tablets and the specially designed foam nozzle, creates a thin layer of high-cling foam, covering 1 m² in only 1 second.

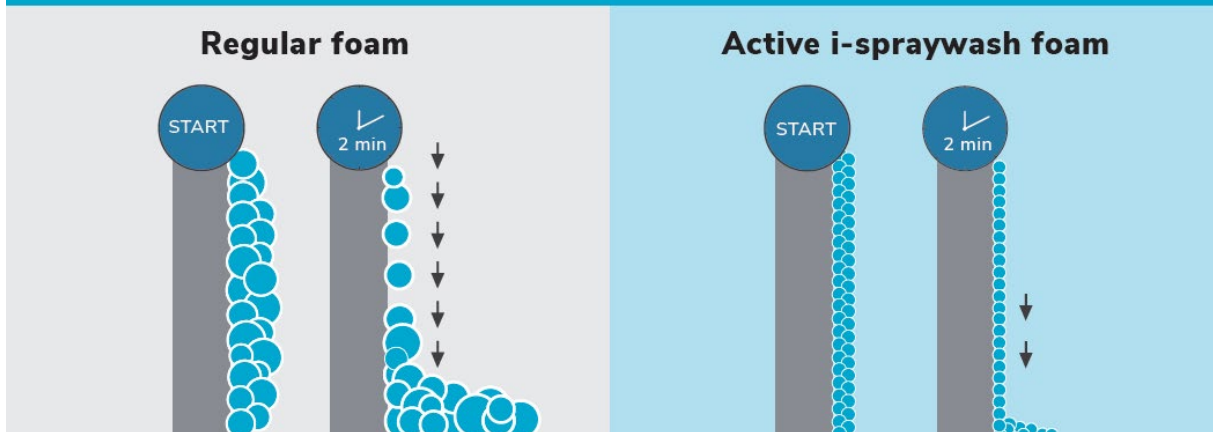
The thin layer of foam comprises a large proportion of microbubbles that provide a high degree of coverage of the entire surface, providing a more persistent and effective coverage than conventional macrobubble foams typical of most foamers in the market.

When working with thin, light small-bubble foams, there is less foam runoff on vertical surfaces due to gravity.

That's why we say, "less is more". You can cover the surfaces faster, with less chemical and less waste (from heavy foam runoff) on the floor. This in turn enables faster rinsing with much lower volumes of rinse water.

Foam that **sticks** around

When you apply a thin layer of foam to the wall with the i-spraywash it really sticks. This means less rinsing of heavy airy foam on the floor. So less water and chemicals give you a much better cleaning result and will save you time and water when rinsing.



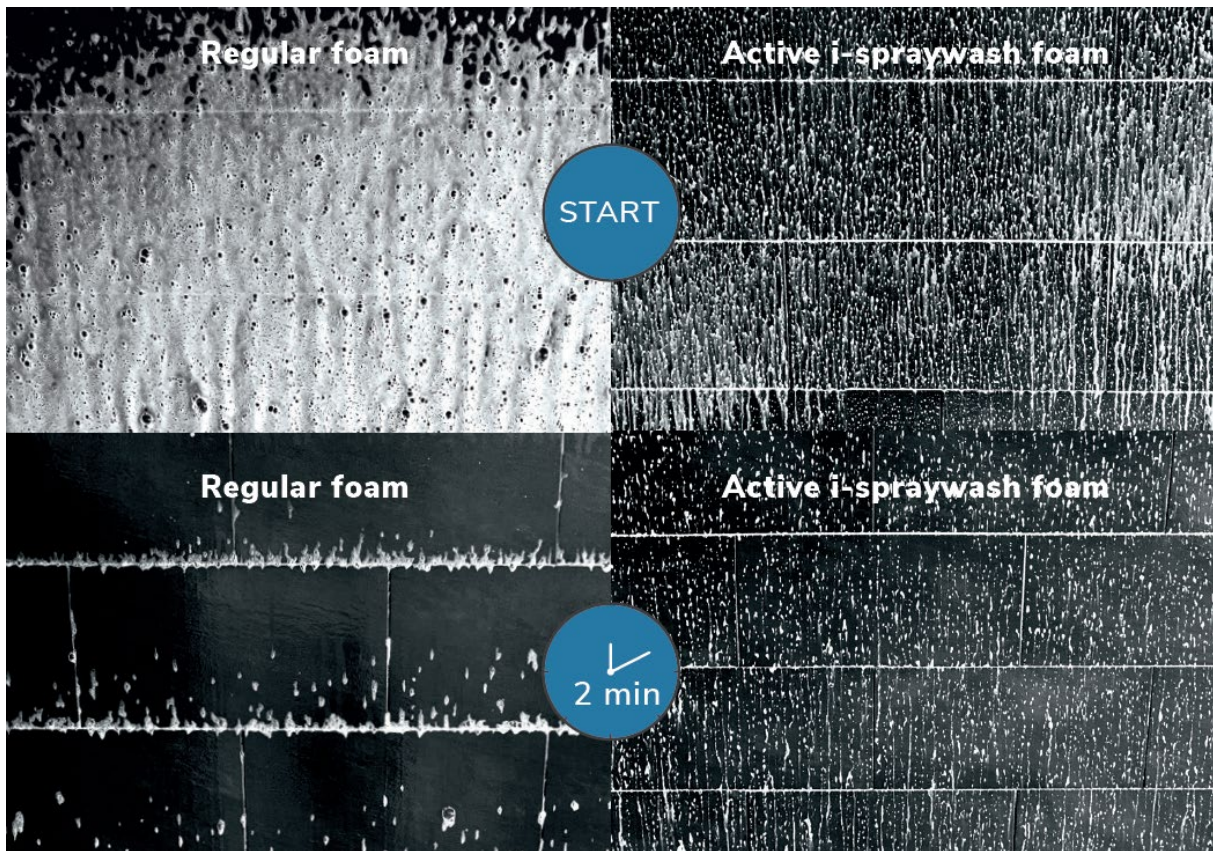
3. I'm used to use conventional foamers and it looks like there is less foam on the surface with i-spraywash?

i-spraywash is designed to improve the foam cleaning known for many years. Conventional foamers are heavy, based on liquid chemicals and they have a "centralized spray pattern", providing heavy and lots of foam on a small area. Most of this foam runs down fast from the vertical surface, ending up on the floor.

With i-spraywash you do get less foam, but this is part of the innovation and why i-spraywash is a new way of cleaning. If your dosing of the tabs is correct, you will clean with a nice, thin layer of active foam in a faster, greener and safer way. As shown in picture below, when spraying with the i-spraywash green surfactant based-foam, you will have a broader spread of a thin filmed foam, which provides longer contact time. The heavier, and larger the bubbles in the foam are, the faster it will run down to the floor- this is the case with regular, conventional foams.

i-spraywash is a new way of thinking foam cleaning.

REMEMBER: It's only the foam in contact with surface that's doing a cleaning job!



**4. I'm using i-spraywash in an environment with white tiles on the wall.
How do I tell if there is any foam on the surface?**

You can tell if you look closely to the surface. If you use the CleaningTab 9 or CleaningTab 12 you can even feel it with your fingers when touching the sprayed surface. For instance, if you spray with the CleaningTab 9 (daily cleaning in most environments), you should be able to feel the surfactants between your fingers (feels like soap).

5. If the surface is dried out before we get back to rinse, what do we then do?

With i-spraywash you only have a contact time of 2-5 minutes. How long the foam is active and wet on the surface, depends on the dosing on the surface and the environment where it's used (temperature, humidity etc.). If the dosing is a bit low, the active foam tends to dry out faster.

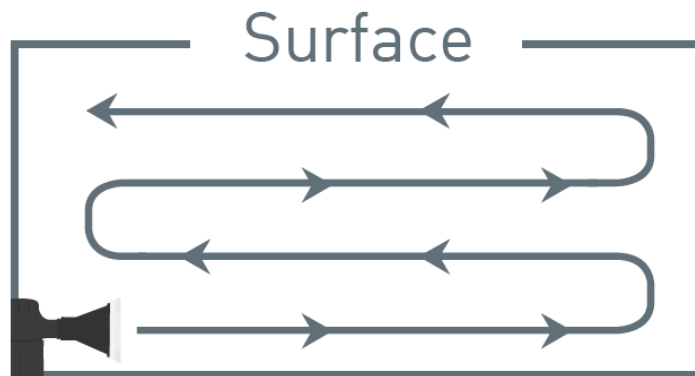
If you experience the surface is "dried out" before you get back to rinse, it would be better to clean in smaller "zones", for instance cleaning one shower block at the time.

If you experience that the foam has dried out on the surface, you simply just rinse with water. If needed you might need to scrub with i-fibre, an ordinary cleaning pad or for instance with i-scrub 21B.

6. How do you apply the foam in the most effective way?

First, it's all about moving the hand fast when spraying with i-spraywash. When used correctly, you should be able to foam (spray) 1 m² in just one second, even down to 0,66 seconds when really experienced.

Secondly, it's the best to spray from the bottom to the top, and work from side to side. Start down in one corner, work your way to the other side and then move up and do the same again. Once you've learned this you will discover how fast for instance a shower block is cleaned.



When rinsing with water it's the opposite. Start from the top, spray from one side to the other and then move down and repeat.

7. It says you can save up to 50% time and use less chemicals with i-spraywash. How do you work this out?

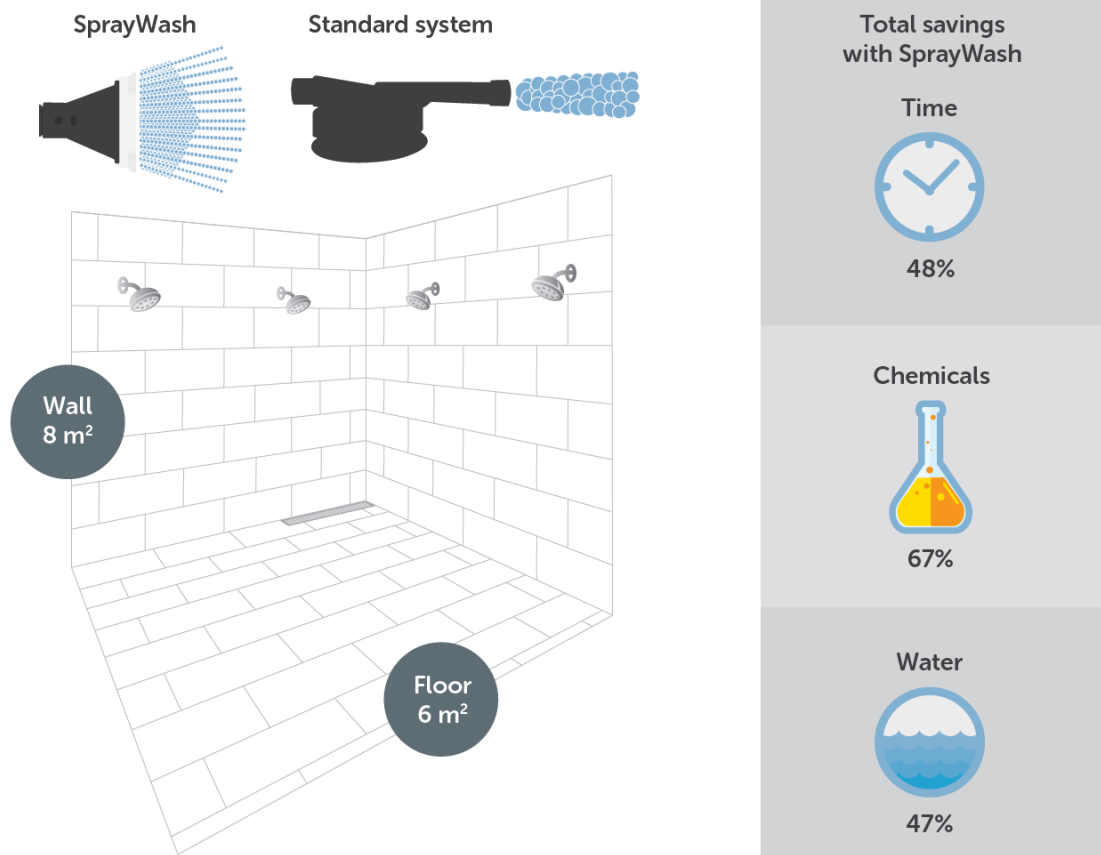
In general, the feedback is that users find i-spraywash much more simple, easy and effective for their cleaning. Their savings in time, effort, chemicals, water etc. depends on local conditions, level of traffic/need for cleaning and the experience of the operator.



The example below is typical from multiple field tests and actual experience with many customers and i-partners. A conventional foamer was compared with i-spraywash in a shower block with a total of 14 m² of surface (wall + floor and a below average drain). In this calculation, preparation, handling, storage and handling afterwards was not included, as we focus mainly on the actual cleaning process.

i-spraywash

As the results show, i-spraywash is remarkably faster to spray on both horizontal and vertical surfaces. Assuming the chemical dosing is the same in both systems (most likely lower in i-spraywash), the spraying time is 67% lower. This means 67% less water and chemicals are used with i-spraywash.

When rinsing the walls since the procedure is equivalent in both cases, there is no difference in the result; however, there is big difference when rinsing the floor. It takes substantially longer to rinse the heavy, macrobubble foam from the conventional foamer, ultimately leading to more than 50% savings in time and water when using i-spraywash and active foam.



Task	Dosing 3% 		Total savings
Foaming wall	17,33 sec	4 sec	76%
Foaming floor	21,43 sec	6 sec	58%
Water when foaming	5,23 L	1,7 L	67%
Rinse wall	40 sec	40 sec	0 %
Rinse floor	108 sec	42 sec	61%
Amount of water, rinse	23,83 L	13,6 L	42 %
Amount of water, total	29,6 L	15,3 L	13,76 L

8. How long does a tab last?

In the case of the CleaningTabs, they provide approximately 4-5 minutes of effective spray time. The variation depends on the dosing and how the system is handled.

For the two disinfectants, DesTab and ChlorTab Extra, it depends on dosing and what PPM-level (dosing) you need. DesTab lasts between 2 to 5 min, whilst ChlorTab Extra lasts longer, up to 10-12 minutes (again depending on dosing level you need).

9. How is a tab dissolved and how can it be controlled?

The tabs in i-spraywash are dissolved as a result of the combination of water pressure and water temperature. The higher the water pressure, the more spray effect / turbulence you're able to get down into the tab via the venturi and dosing system. Therefore, we have the dosing function on top of the system, enabling to lower/higher the spray into the tab.

Water temperature also mean a lot when dissolving the tab. Imagine a cup of cold water, a cup of hot tea and two sugar cubes. In which will the cube dissolve the fastest? In the hot obviously, it's the same principle with the i-spraywash tabs.

As displayed below, the colder the water is, the higher dosing you need on top of the unit. So if used in cold water, you might need to run with max dosing (turning the knob in the clockwise direction), whereas if your water is lukewarm you might want to lower the dosing towards 14 or even 12 (turning the knob in the counter-clockwise direction). If used in really hot water, the dosing should be turned towards minimum.

This is for your basic understanding. Once you try the system you will recognize your local conditions, set the dosing as you prefer and get an excellent cleaning result each time!



10. If a tab is dissolved too fast, maybe in just one or two minutes, how do I regulate this to ensure this is also economically to work with?

Refer to above and further explanation: Either your water pressure or water temperature is high (or both) and therefore you need to adjust the dosing function. Try turning the “wheel” towards minimum. Maybe it’s also necessary to lower the water pressure in the handle as shown below.



Adjust to lower dosing

11. My CleaningTab only slowly dissolves, creates no foam effect and last way longer than 4-5 minutes of spraying. Why is that?

Maybe it’s because of low water pressure. I-spraywash requires a minimum of 2 bar (29 PSI) in order to dissolve the tabs and work properly. If you have a decent water pressure above 2 bar (29 PSI) and still have a problem, maybe it’s because your water in the hose is too cold.

The worst condition for a tab to dissolve is really cold water (below 10 °C). Starting & stopping a few times might help to get the tab going. It’s really rare we experience this, and we’ve been selling into the cleaning sector in Nordics Countries (with cold winters) for some years. In these cases, we recommend connecting to a hose and a tab where you can adjust the water temperature to lukewarm.

TIP: Fill the tab holder with very warm water and the tab inside. Leave it for 5-10 minutes and then connect to the i-spraywash unit. It should make it easier to active the tab.



12. Do I have to use the full tab or can it be stored?

The CleaningTab 1, 9 and 12 are designed as “Stop & Go”, meaning they can be used and stored. If you have any tab remaining after your cleaning procedure, you can store this in the tab holder, drain the remaining water (**important**, otherwise the tab will go mushy), use the lid and store it until next time I need it. If the tab has been stored and drained, but is a bit mushy, you can lower the dosing and use it for cleaning.

With the disinfectants, DesTab and ChlorTab Extra, it’s a bit trickier. They’re designed to be used in one go, as they “react” once activated with water. However, with some practice it is possible to drain them as well. When a used tab is kept in a tab container it should be used within a week. Read the label in order to get the needed PPM level out of the tab.

13. Are the i-spraywash cleaning tablets safe to use on stainless steel, chrome and toilet partitions?

YES, the tabs can safely be used on these surfaces. After contact time of 2-5 min. we recommend rinsing with clean water, like we recommend on any surface. The CleaningTab 1 (red) is a low pH-value product, an acid. When diluted with water the concentration on the surfaces is very low, however it is always wise to ensure proper rinsing, especially on marble or other limestones.

14. Why is there two different types of i-spraywash disinfectants? What is the difference?

DesTab and ChlorTab Extra are both two extremely powerful disinfectants with effect against microbes such as virus, bacteria, mould etc.

The difference between the two disinfectants is the active ingredients.

DesTab is generating “active oxygen”, a powerful disinfectant with broad-spectrum kill effect. It is more or less odor-less, neutral to use and has a rather “green” profile towards the environment. The run time on one DesTab is somewhat less compared to the ChlorTab Extra.

ChlorTab Extra is a powerful chlorine tab generating active chlorine with a pH around 6.



This can't be compared to any liquid chlorine product (with high pH value). Hypochlorous acid is then present close to 100% with a pH around 6 making it far more effective compared to for instance sodium hypochlorite. It is well known that hypochlorous acid is 80-120 times a more powerful biocide than traditional liquid chlorine bleach. With ChlorTab Extra it's then possible to use fewer active ingredients (lowering the PPM value) and still achieve a great disinfection result.

The ChlorTab Extra leaves a swimming pool odor, many users associate with "clean", and is a strong oxidizer. If used in high concentrations, and if you're not careful, there is a risk it can bleach certain types of textiles.

15. Are the disinfectants safe to use on surfaces?

Yes, both disinfectants are non-corrosive with built-in corrosion inhibitors, safe on any surface.

As a general guideline for indoor cleaning and disinfection, we do recommend rinsing with water after applying DesTab and ChlorTab Extra.

Both tabs are considered biodegradable and are eventually broken down to common salt.

For instance, when using ChlorTab Extra you'll get a powerful disinfectant even at 200 PPM which equals a concentration of 0,02% active chlorine.

16. Can I use i-spraywash to eliminate black mould in the shower?

DesTab and ChlorTab Extra are both effective against black mould.

For instance, the use of ChlorTab Extra will eventually eliminate black mould in the grout. Some jobs may require multiple treatments in combination with manual/mechanical scrubbing. In severe cases of mould growth, the grout may need to be changed due to irreversible discoloration.

17. Are the disinfectants proven effective against microorganisms?

Yes, both disinfectants comply with multiple EN test standards and have proven effect against a long list of microbes, including bacteria, viruses, yeast, fungus etc.

In many European Countries we have full certification / approval to sell in food industry, fish industry, agriculture and other areas where specific approvals are needed.

Please refer to local guidelines and find relevant documentation in product datasheets.

18. What is the difference between using the disinfection nozzle or just applying without the filter on the normal foam nozzle?

You can apply the disinfectants either way. The main difference is how it's sprayed on the surface. With the disinfection nozzle it's possible to adjust the spray pattern, giving you the possibility to spray longer distances (or higher up). This spray pattern is comparable with the rinsing nozzle provided with the system.

When spraying without the filters on the foam nozzle, the spray pattern is wider enabling to cover surfaces faster. It also gives "less control" on where you spray and hit. DesTab and ChlorTab Extra do not contain any foam agent.

19. If my DesTab or ChlorTab Extra is used too fast, how can I control the dosing better?

See question 9 + 10.

First, it's important you remember to use cold water when disinfecting, this is a general guideline. If the tabs dissolve too fast you need to change the dosing on top of the unit – and most likely also lower the water pressure. If you look at the handle from "behind" like below picture, maybe you need to turn it towards right (clockwise) to 14:00 o' clock.

On the label of the tab you find the guideline of how long time the tab should last.



Adjust to lower dosing



20. I have a restroom with bad smell issues. Can I use i-spraywash to remove the urine smell?

YES FOR SURE! The bad smell is due to bacteria, and maybe biofilm. Often it's "old problems", could come from the grout between the tiles on the floor, around toilets and urinals. You can do a proper cleaning with CleaningTab 9 (blue) and manual/mechanical scrubbing.

Another option is to really spray down the area with ChlorTab Extra (or DesTab), possibly requiring repeated applications. And again, manual/mechanical scrubbing speeds up the process.

If you use ChlorTab Extra, and you find the chlorine odor "stronger" than normal, it's because the active chlorine reacts with the organic material. The dirtier the substrate potentially the stronger the odor.

After a while this will decrease as a clear sign of the disinfectant having done its job properly!

21. I've noticed I can use one or two tablets. Does it make a difference?

Yes. When using two tabs in the tab holder you'll have more tab available when dosing on the surface. For most customers and applications, it's not needed / recommended. It's better to use one tab at a time, and if needed, supplement with a new tab if most of the tab is used during the operation.

In some cases, and under some conditions, the tabs might be more difficult to dissolve in the chamber if there are two. This is particularly true in cold water and/or low water pressure.

The same goes with the disinfectants, however in some cases you might need to run with two disinfectants for specific disinfection claims. Please see label and product datasheets for details.

22. Do you have a guideline on when to use CleaningTab 1 (red) and CleaningTab 9 (blue) for instance in a shower block?

Yes, we have a simple user guide available. In general, we always recommend you work with both products in combination. Depending on your need, traffic and routine when and how often you use one tab over the other will vary. In general, the best is to use CleaningTab 9 more often than CleaningTab 1, even though you might struggle with limescale on your surfaces.



You always need to clean the surfaces (remove proteins, soap residues, fats etc.) before you descale. A general guideline is to use CleaningTab 1 after every 3rd or 4th instance of using Cleaning Tab 9.

23. Why do you have two alkaline tablets? Where should each be used?

The difference between CleaningTab 9 and CleaningTab 12 is the pH-value and the surfactants in the tabs. CleaningTab 9 is a daily cleaner, suitable for cleaning of most applications and surfaces. It's even usable for commercial kitchens and restaurants unless the level of grease / food production is high.

CleaningTab 12 has a higher pH-value and is a stronger degreaser. It's specially developed as an industrial cleaner, also suitable for workshops and areas with the need for heavy duty cleaning. CleaningTab 12 can even be used for daily cleaning in most more "simple" applications.

24. I've noticed the tabs are not ecolabelled. How can I then trust they're safe and good to use?

Correct, we don't have the ecolabel certificates for CleaningTab 1, CleaningTab 9 or CleaningTab 12... yet!

If we look at the chemicals and all the ingredients, we already know we comply the requirements for having the eco-label on the cleaning tablets. However, the packaging material we have does not comply, although we've minimized the amount of plastics etc. compared to any other liquid product.

We're working on replacing the aluminium foil in the blister package to another format accepted for ecolabel not compromising the safe storage of the tabs.



25. Where should I use the black filter vs the white filter?

The white filter is designed for vertical surfaces as the active foam is spread with a wide angle – and somewhat finer. When used correctly, moving the hand fast when spraying, the white filter gives excellent coverage on the walls.

The black filter is designed mainly for floor cleaning, especially in applications such as kitchens. The spray angle is more concentrated with an angle of approximately 1 meter as a “fine line”. Gives fast floor cleaning in only a few seconds.

However, it's not really that black & white. Both filters can be used on all surfaces and it's also up to the operator. With the black filter the dosing is a little bit higher.

In both black and white filter, there are two filters. If they for some reason fall out, they can easily be put back in the filter. Always place the finest filter on the inside (closest to the dosing unit).

26. Is it normal to need to use a floor squeegee for excess water?

No, this is up to the operator and whether you want to leave the surfaces more or less dry. For instance in a shower block it's a good idea to finalize by squeegeeing the floor, but it's not a must.

Another smart way of soaking up the water is using an i-mop, which also gives a nice scrubbing effect on the floor.

27. What are the environmental benefits of i-spraywash?

There are really many! Overall using i-spraywash means more than 80% lower impact on the environment! When working with tablets instead of liquid chemicals, you will save up to 90% plastics, crude oil, CO2, logistics.

Alone in 2018, based on sales in only a few European Countries, i-spraywash helped in saving the environment from more than 10 tons of plastic.

i-spraywash



Faster

Cleaning 1m² in just one second you save you up to 50% working time. Less is more. Faster foam coverage and less foam on the floor will save you time when rinsing.



Cleaner

The special foam nozzle and tablets create an effective active foam that sticks to surfaces and even those hard to reach corners.



Greener

The i-spraywash saves up to 25% of chemicals and 50% of water compared to traditional foam cleaners. All i-spraywash tablets are biodegradable and eco-friendly and developed with only the best active components, good for both the worker and the environment.



Safer

The i-spraywash is 2-3 times lighter than most liquid cleaning systems, saving weight on wrist, arm, shoulder and back of the operator.

The concentrated tablets make sure you never over or under dose your chemicals. The system uses a color-coding system to organize your daily cleaning.



...and better for everyone!

It has never been this easy, safe and effective to clean and disinfect! No more heavy lifting or transporting of liquid chemicals in concentrate or diluted form. The i-spraywash automatically dilutes and dispenses. All you have to do is to choose the right tablet for your current task.

