



SPARKLING CLEAN LESS CHEMICALS

Dish Washer

Does it matter what detergent I use?

Your detergent needs to complement the cleansing action of your dishwasher. Automatic dishwashing detergent is specially formulated to disperse food residue and greasy soiling, hold it in suspension, and remove it in the final rinse. It does all this while producing little or no suds.

For best results use the detergent recommended by the manufacturer of your machine.

Most put their name to Finish Quantum which is our most advanced formula containing 9 powerful cleaning actions including salt and rinse function. It is the no.1 Brand in Ireland.

In very hard water areas Finish would recommend the use of separate Salt and Rinse aid to protect your machine and achieve the best result.

Dishwashing- Hand Wash v Auto Dish

A UK study overseen by experts from Bonn University to measure differences in water, energy, time taken and cleaning results of washing up by hand vs using a dishwasher produced some interesting results.

Methodology

- Large scale study carried out at independent research laboratory INTERTEK UK, Milton Keynes.
- The UK's best-selling dishwasher was loaded to capacity with 12 place settings, soiled according to EN 50242* test method.
- 150 users each washed up the same volume of soiled dishes as were used in the dishwasher tests. Overall, 21,000 items were washed up in the whole study, checked for visible remains of food deposits and a cleaning score recorded
- Water/energy/time consumption data were also measured.

* European test standard used for energy label testing of household dishwashers.

Washing By Hand

- 60 minutes to wash up a full load
- 49 litres used in sink.
- 1.7 kWh, to heat all that water
- Dishcloths and towels lack hygiene



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Using a Dishwasher

- 9 minutes to load/unload machine
- 13 litres of water
- 1.3 kWh, to heat just enough water
- High temperatures and Finish give a more hygienic clean

How is it possible that dishwasher uses less water than the sink



Many people believe that washing up at the sink uses less water than the dishwasher, but here, Dishwashing Expert explains how the opposite is true...

If you wash up by hand you need to use hot water. Many households run the tap until hot, allowing the cold water to flow out of the plug hole at a rate of over 6 litres per minute!

This is the same amount used by some modern dishwashers to wash a full load...

9 reasons to use a dishwasher



1) Save time and effort

Washing up is a thankless task, so why not leave the grottiest of all tasks to a machine, so you can be more productive or enjoy some much-deserved Me-time!

It only takes 9 minutes to load and unload 12 place settings in a dishwasher, while it takes 60 minutes to wash the same load by hand.

This means that a family of 4 could save up to 4 hours each week simply by using a dishwasher*?



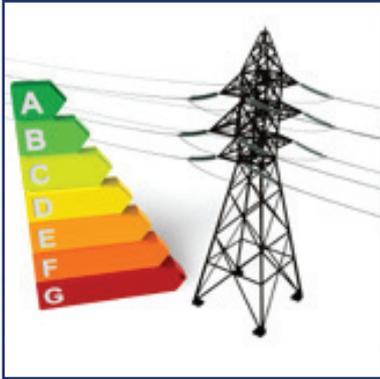
2) Save water

As well as saving time and effort, dishwashers can use less water than washing up by hand. That's because the dishwasher recycles and filters small amounts of water.

Washing up at the sink has been proved to use on average more water per place-setting than washing by hand*



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3) Save energy

Most dishwashers manufactured since 1994 use less water per cycle than the equivalent required to wash up, because they recycle the water throughout the wash. Newer models heat only the amount of water they need - and being cold fill, the water is heated in the dishwasher itself, not in the household's hot water tank or central heating system, where heat gets lost in transit.



4) Save money

It has been proved* that dishwashers can use less water and energy than washing the same load by hand. With utility prices rocketing in recent years, Important considering water rate charges on the way in the near future .



5) Better Hygiene

One of the reasons dishes come up cleaner in a dishwasher – also making it more hygienic – is that a dishwasher can use higher temperatures than your hands are able to cope with. Together with a strong dishwashing detergent like Finish, it's the hygienic way to protect your family from harmful germs and bacteria that can build up on sponges, dish cloths and tea towels.



6) Sparkling dishes

Effective detergents from Finish contain far more active ingredients than washing up liquid, ensuring food soils are broken down and washed away during the washing cycle to leave behind nothing but shine.

Thanks to rinse agents and latent heat on the dishes, tableware washed in the dishwasher come out with a wonderful shine and free from the spot marks and streaks you can see after washing up at the sink.



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Finish is the only dishwashing brand to be tested and recommended by leading dishwasher manufacturers. Use Finish Quantum for an amazing shine and clean.



7) *Softer skin*

If you want time on your hands instead of wrinkles, a dishwasher is for you! How many times have you chipped nails, cut yourself or noticed how rough your skin feels after washing up by hand, especially when you have very sensitive skin? A dishwasher won't complain, and will leave your hands to look good and do more useful things!



8) *Clutter-free kitchen*

No-one likes coming home to a kitchen with grotty washing-up piled up on the surfaces. It's unsightly, can smell and when left to dry on, it's even harder work than normal!

With a dishwasher you can quickly pile those dirty dishes out of the way, and only take them out again when they're clean and sparkling.

If you're worried about where you'd put one, a slimline 45cm dishwasher or compact tabletop machine is designed for kitchens where space is at a premium. And it can be connected to the same water supply as your washing machine, so installation is easy, too.



9) *Fewer domestic arguments!*

The washing up can be a major cause of disharmony in the home. Arguments happen over whose turn it is to wash up and also whether it's ok to invest in a dishwasher.

Anyone who has one will tell you that it is definitely ok!

* Intertek UK 2010 Washing up Study.



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Dishwasher Expert- Common Questions

Why are my dishes not dry and plastic is still has wet droplets or small puddles of water inside?

Causes:

1. Poor drying and/or rinsing performance
2. Formation of puddles due to shape of dishes
3. Unloading of dishes too soon at the end of a cleaning cycle
4. Insufficient temperature (defective heating element)

Solutions

1. Use Finish Rinse Aid, and increase dosage if necessary
2. Load and position dishes securely so that they cannot turn over and water can run off completely
3. Briefly open the machine at the end of the cycle to remove the steam and then close it again. Empty the machine at least 30 minutes after program ends and allow excess rinse water to dry / evaporate before unloading
4. Inform service technician

Why is there foaming inside my Dishwasher?

Causes/Interpretation

1. Dishes are cleaned first with washing-up liquid (which leads to foaming!)
2. Rinse aid was spilt during refilling, or rinse aid chamber is leaking (heavy foaming at temperatures $< 40^{\circ}\text{C}$)
3. Extremely high amount of protein based food e.g. yoghurt, cottage cheese etc.
4. Temperature $< 40^{\circ}\text{C}$ (broken heating element)

Solutions/Advice

- 1 Only use cutlery or a paper towel etc. to pre-clean dishes
2. Rinse away rinse aid with cold water (will be pumped off when new cycle is started); in case of leaking rinse aid chamber inform the service technician
3. Scrape off food using cutlery or a paper towel before loading
4. Inform service technician



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Why is there Residue of Detergents in my Dishwasher?

Interpretation/Cause

1. Tablet is not completely dissolved at the end of the cycle (e.g. short programmes)
2. Flap of detergent dosing chamber is blocked by bulky dishes
3. A damp detergent dosing chamber can cause tablets and powder to stick

Solution/Answer

1. Use tablet which is best-suited for short programmes, e.g. Finish All-in-1; Finish Quantum otherwise, use standard, normal or eco programmes instead
2. Sort dishes in a way that the flap of the detergent dosing chamber can open freely

Why are there Drop marks still on my glasses?

Interpretation/Cause

1. Poor drying and/ or rinsing performance
2. High salt concentration in water

Solution/Answer

1. Use/ refill rinse aid, and if necessary increase dosage
2. If water hardness is $< 26^{\circ}\text{e}$: use Multi-Benefit tablets without additional special salt
3. If water hardness is $> 26^{\circ}\text{e}$: use Multi-Benefit tablets with additional special salt and rinse aid
3. Make sure that the detergent dosing chamber is dry when detergent is dosed

Why are there Water Marks (Alkaline) on my dishes?

Interpretation/Cause

1. Carry over of alkalinity, caused by:
2. Poor loading and sorting of dishes
3. Formation of puddles due to shape of dishes
4. Tablets still dissolving during rinse cycle (due to using short programmes)
5. Over dosage of detergent
6. Insufficient intermediate and rinse cycle; can be caused by calcified valves
7. Alkaline salt chamber; detergent was refilled instead of special salt

Solution/Answer

1. Ensure that cleaning solution can completely run off the dishes
2. Load and position dishes securely so that they cannot turn over and the cleaner solution can run off



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3. Use tablet which is more suited for short programmes, e.g. Finish All-in-1; otherwise, use standard, normal or eco programmes; or use powder or gel for short programmes
4. Dose detergent as recommended
5. Check reason, replace affected parts or inform the service technician
6. Rinse out the salt chamber properly with tap water; if possible, measure the water hardness and if softening is insufficient inform the service technician

Why is there a milky layer on my glasses instead of shiny sparkly glasses?

Interpretation/Cause

1. No use of special salt in salt chamber if:
2. Single-function 'classic' detergent is used instead of Multi benefit tablets such as Finish All in 1 or Finish Quantum.
3. Multi-Benefit tablets are used but water hardness is $> 26^{\circ}\text{e}$
4. Wrongly adjusted water hardness control on dishwasher
5. Blocked or defective ion-exchanger

Solution/Answer

1. Use/ refill Finish Special Salt into salt chamber; determine water hardness and adjust the appliance control accordingly; switch to Multi-Benefit tablets if hardness $< 26^{\circ}\text{e}$
2. Determine water hardness and set the control accordingly
3. If possible measure the water hardness and if softening is insufficient inform service technician

Why is there a rusty discolouration on my metal/ cutlery?

Interpretation/Cause

1. Critical acidic or salty foodstuff like mustard or ketchup left on metal surfaces for too long before cleaning
2. Spillage of special salt when refilling the salt chamber
3. Lower grade stainless steel being less resistant to corrosion in damp dishwasher environment
4. Steel and silver cutlery items in contact and reacting

Solution/Answer

1. Avoid prolong contact with such acidic and/ or salty food residues
2. To remove spilled salt activate a pre-cleaning cycle without dishes
3. Use high grade quality stainless steel; empty dishwasher straight after wash cycle
4. Separate silver from steel items in cutlery basket



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Why is there tarnishing of my metal/cutlery?

Interpretation/Cause

1. Formation of silver sulphide due to sulphur-containing food residues like mustard, eggs, mayonnaise
2. Formation of silver oxide due to bleaching agents (oxidation)

Solution/Answer

1. Avoid prolong contact with sulphur-containing food; pre-rinse
2. Use high-quality detergent with integrated silver protection; tarnishing is removed by applying a silver polish

Top 10 Dishwasher tips for best results

- Always scrape off excess food before loading or use a pre-wash programme on heavily soiled items. Modern dishwashers automatically detect and eliminate even the toughest dirt.
- There is no need to wash your dishes in the sink first when using modern dishwashers and high quality products like Finish.
- Load and sort dishes according to manufacturer instructions, allowing water to circulate and reach all items. Generally, larger and dirtier items are best on the bottom rack, cups, glasses and less soiled items should be put on the top rack.
- Ensure spray arms can rotate and spray water freely. They get blocked by large items such as utensils and pan handles so always give the spray arm a spin before pressing start.
- Avoid using old or damp detergent and use the detergent recommended by your machine manufacturer
- Read and follow all the detergent pack instructions and use right dosages.
- With multibenefit tablets, rinse aid and salt functions are included in the detergent. However specialist rinse aid will prevent drop marks, boost drying results and deliver the complete shine.
- In very hard water, the addition of salt is essential to aid cleaning and prevent limescale deposits on dishes and damage to your machine.
- To maintain performance of your machine, remove and clean the filters **regularly**.
- Use a high quality dishwasher cleaner to clear build-up of grease and limescale (the average machine needs cleaning every 60 washes). You cannot get clean dishes in a dirty dishwasher. Finish Dishwasher cleaner helps remove limescale and grease and eliminates odours caused by the dishwasher's filter and freshen the dishwasher.

Finish Power and Pure Detergent Tablets – “New” to Irish shoppers in 2014 (available in all key outlets)

“Embrace a purer choice”



At Finish we know that a clean home gives you peace of mind and reassurance that you are providing a safe environment for your family. We also know that you are always on the lookout for products that contain fewer chemicals.

That’s why we’ve developed our most innovative formula yet in Finish Power and Pure with Active Oxygen.

New Finish Power and Pure contains an organic catalyst boosted by Active Oxygen which creates millions of high energy oxygen molecules that blast through tough stains, delivering the sparkling clean and shine that you expect from Finish but with less chemicals.

Our Powergel delivers a pre-soaking action that breaks down and lifts away dried on food. Our Powerball washes away residue for a sparkling shine even in the hardest water conditions. The advanced powder with oxygen based bleach agents seek out and clean tough stains like tea and coffee.

Finish Power and Pure does ALL of this with no added phosphonates and fewer dyes and allergens.

The tablets are packaged in a reseal-able bag so there is no need to individually unwrap and there is a Power and Pure variant in both leading Finish ranges; Quantum and All in One.

Power and Pure has been tried and tested by Mummy pages and 100% positive feedback with Mums particularly impressed with the Sparkling clean and no chemical smell.

