

RAPID-O

**BRIGHT WHITES &
SATIN SOFT TEXTILES
IN NO TIME**



**SPECIALISED WASH CONCEPT
FOR WASHING WITH OZONE
IN WASHER EXTRACTORS ≤ 60 KG**

AMBIENT TEMPERATURE WASHING

SHORTER WASH CYCLES

LONGER TEXTILE LIFETIME

EXCELLENT WHITENESS AND SOFTNESS

FEEL OUR PASSION



CHRISTEYNS



Washing at lower temperatures, less sorting, lower utility costs and increased washing capacity: sounds like the ultimate laundry dream?

Rapid-O is a total concept that consists of an ozone generator and dedicated chemicals that are combined in a wash process. The synergy between the ozone and the products results in efficiency improvements and an ultimate sensation of softness for your residents or guests.

RAPID-O

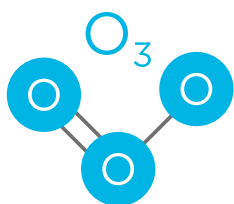
The use of specialised laundry products in combination with ozone is unique in the market. Christeyns specifically developed the Rapid-O products to enhance the benefits of ozone in the wash process. Together with a compact and very efficient ozone generator, the concept enables to wash at low temperatures and with shorter cycles. This increases the washing capacity, extends the textile lifetime and results in excellent softness and whiteness. Rapid-O is a revelation for your laundry and linen.

EQUIPMENT AND SPECIFICATIONS

The Rapid-O generator is a compact, wall mounted system that generates ozonated air. Through 2 regulated outlets the ozonated air can be transported to 2 independent washer extractors with a combined capacity of maximum 60kg.

The system doses a very low quantity of ozone (0.2-0.4ppm) that is injected continuously in the operating washer extractor. There is no batch system or separate tank as is often the case on the market. This low and continuous flow of ozone ensures optimal safety of the system and a guaranteed stable quality.

WHAT IS OZONE?



The inorganic molecule O_3 trioxygen or ozone is a gas that consists of 3 oxygen atoms. The extra oxygen atom in the ozone molecule makes it a less stable gas than the diatomic O_2 (dioxygen, generally known as oxygen), but also proves its benefits during the wash process. In contact with water, washing products and soiled textile, the extra atom will separate from its original molecule and is then free to combine with other chemical compounds such as for example bleach or soil.

The characteristic of this additional oxygen atom to pair with other molecules is used in the Christeyns Rapid-O concept to make the washing process faster, more efficient and more environmentally friendly. The ozone gas is therefore a real laundry booster in your wash process:

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- it replaces the use of heat
- It speeds up the destruction of soil
- It accelerates the work of water and chemicals



2 outlets can serve 2 different washer extractors



PRODUCTS

The Rapid-O products are part of a multicomponent system of chemicals that need to be used together with the ozone generator to maximise the benefits of the ozone in the wash process. It combines a detergent and alkali booster with a concentrated bleaching additive. Additionally it is recommended to use a specialised degreaser for excellent stain removal on medium to heavily soiled textile. A softener can be added in the process to give extra perfume to your textiles if required.

OZONE

BOOSTS THE EFFECT OF THE RAPID-O CHEMICALS AND BLEACH ADDITIVE

- Opens up the textile fibers and creates extreme softness
- Boosts the bleaching effect
- Improves the stain removal capacity



1

Rapid-O Wash

DETERGENT

For stain removal at low temperatures (20°C) on both coloured and white fabrics.

2

Rapid-O Boost

ALKALI BUILDER BOOSTER

Blend of alkalis, sequestering and anti-greying agents to boost the action of the detergent in the wash process.

3

Peracid Brite Forte

CONCENTRATED BLEACHING ADDITIVE

Bleaching agent based on peracetic acid.

4

RECOMMENDED PRODUCT: Rapid-O Degrease

DETERGENT BOOSTER

For medium to heavily soiled linen, it is recommended to use an additional degreaser in your ozonated wash process to guarantee optimal stain removal. The Rapid-O degreaser is a gentle, but highly effective detergent booster for excellent stain removal, longer-lasting whiteness and brighter colours. With Rapid-O degrease, a higher machine load is possible. The product is specifically developed to apply at low temperatures.



5

ADDITIONAL PRODUCT: Caretex Soft or Caretex Perla

SOFTENER

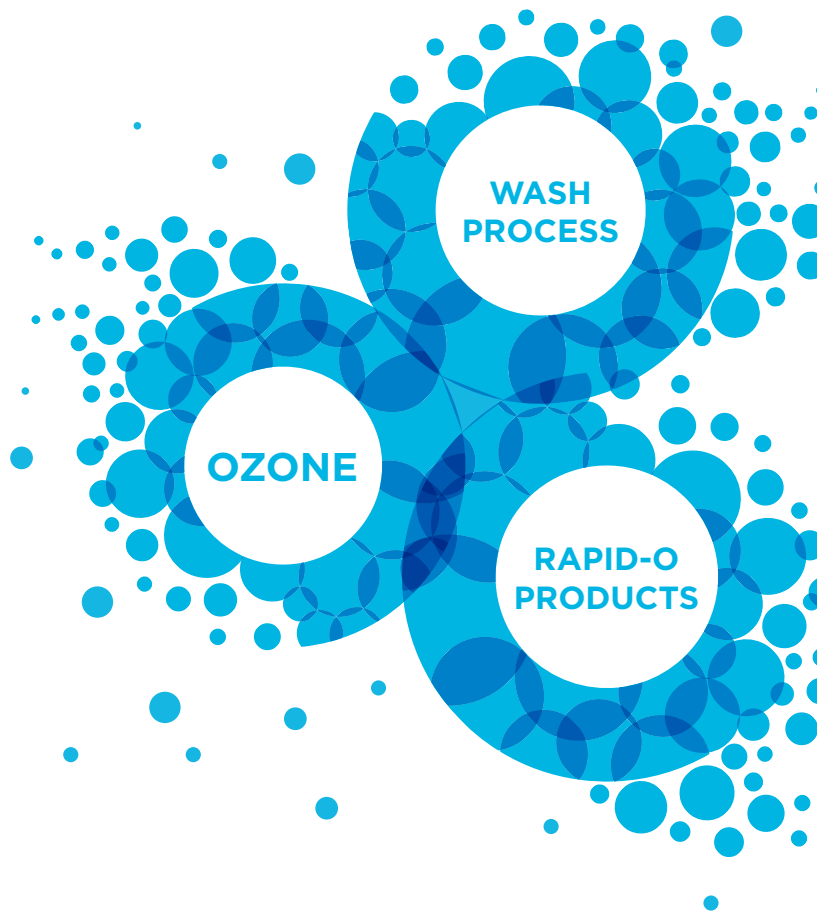
The use of a softener is not required in an ozonated wash process as the ozone is already ensuring a great softening effect by opening up the textile fibres. The ozone also neutralises all bad odours from dirt and leaves a fresh sensation. A softener is sometimes requested for its perfume.



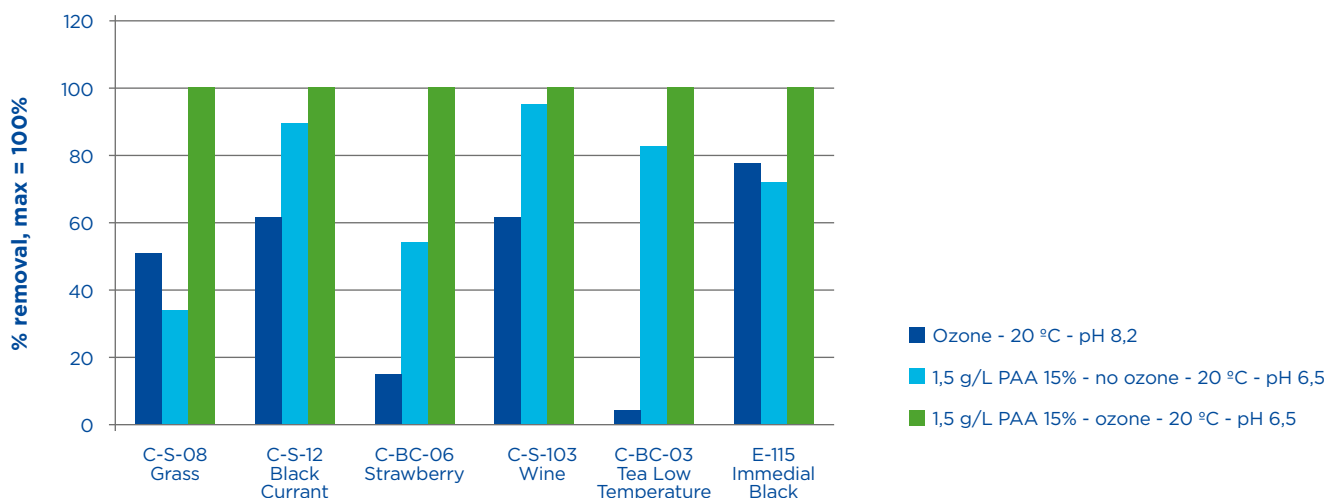
CHARACTERISTICS AND SYNERGY

The combination of ozone and Rapid-O products in a dedicated wash process creates synergies at different levels which cannot be reached with traditional wash programmes without compromising too much on water, energy and laundry products.

1. One of the key benefits of the concept is **washing at low temperatures** (20°C-30°C), which saves on energy costs and shortens the duration of the washing cycle because the heating time is reduced. **Shorter wash cycles**, imply an **increased capacity** of the washer extractors, thus boosting the productivity of the laundry.
2. The added ozone **improves the stain removal and bleaching capacity** in the Rapid-O wash processes. The combination of ozone and peracetic acid (Peracid Brite Forte) works wonders: it opens up the textile fibres, releasing and breaking down embedded mineral particles and chemical deposits and boosts the bleaching power for white linen. In combination with Rapid-O Degrade, even **heavily soiled textile** is freed from its stubborn stains.
3. Ambient washing means a more **gentle wash cycle** for your garments and consequently a **longer textile lifetime**. Together with excellent **whiteness** the ozone also causes ultimate **softness** because textile fibres are opened to the maximum. In this way, you can deliver better quality to your guests, residents or clients.
4. Last but not least, operations and handlings can be significantly improved. The Rapid-O concept only requires **sorting** between white and coloured textile, saving your staff quite some time leading up to the laundry process. Next, **rewash is reduced** to a minimum due to the excellent stain removal. These two aspects considerably simplify the workflow and **save on operation costs**.



STAINS



The combination of peracetic acid and ozone makes sure stains are fully removed during the wash process, even at lower temperatures.

IN PRACTICE

Average standard wash process compared to a Rapid-O wash process.

* 20 kg nominal load, 12kWh heating

	Standard process	Rapid-O process
Temperature	Prewash 35°C - Main wash 60°C	15°C
Electricity consumption	5-8,715 kWh/cycle	0,925 kWh/cycle
Cycle time	40 minutes	35 minutes
Heating time	25 minutes	0 minutes
Total cycle time	65 minutes	35 minutes
Rinses	3	1 or 2

WATER & ENERGY SAVINGS

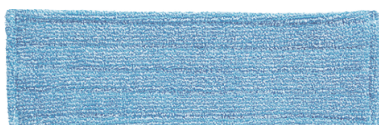
CLOSE TO 50% MORE WASH CAPACITY



390 traditional wash cycles at 60°C



1080 Rapid-O (ozone) wash cycles at low temperature



new mop

MOP Washing

A test case with an Italian client specialised in mop cleaning showed that the life time of mops is significantly increased when washing following the Rapid-O process and with the Rapid-O products.

The **life span of the mops was almost tripled**. Even after 1080 wash cycles the textile fibres were not affected and stains could effectively be removed. The user could still experience real softness and **no bad odours could be detected**.

FOR WHOM?

The Rapid-O system is perfectly suited **for on-premise laundries who wish to improve their efficiency and save costs.**

With a dedicated wash process for white textiles, coloured textiles, mops, hotel linen or bath towels, Rapid-O offers a solution for different types of textiles in different sectors: from small hotel laundries and wellnesses to retirement home, care homes and sports centres.

ADDITIONAL DOSING SYSTEM



FLUX-COMPACT OPL

Rapid-O can be used in combination with the FLUX-Compact dosing system for OPL.



WHAT'S IN IT FOR YOU?



IMPROVED OPERATIONS

- Less sorting
- Less rewash
- Increased capacity
- Time savings



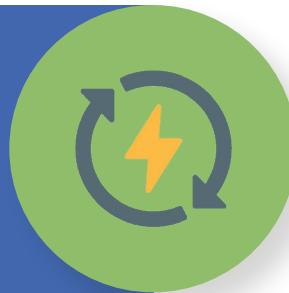
Better quality

- Real fluffiness
- Good whiteness
- Longer textile life



COST REDUCTION

- Low temperature washing
- Shorter wash cycles
- Energy savings
- Water savings



Check out our products in our e-catalogue:
<http://catalogue.christeyns.com>

Distributed by:



CHRISTEYNS

Afrikalaan 182, B - 9000 Gent
T + 32 9 223 38 71
E info@christeyns.com

WWW.CHRISTEYNS.COM