

A vibrant hummingbird with iridescent green and blue feathers is perched on top of a realistic Earth globe. The globe is being held gently in the palm of a human hand. The background is a soft, out-of-focus green and white, suggesting a natural, outdoor setting. The word "APRILCLOG" is written in large, bold, orange capital letters across the middle of the globe.

# APRILCLOG

Comfort. **Safety.** Recycling. **Sustainability.**

***Business plan***

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# 1. EXECUTIVE SUMMARY

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## **Danish design, made in Italy, inspired by the world**

Our journey began in 2014 where Conni Seidenfaden, the company's current CEO, started to develop what would later become APRILCLOG. Prior to this, Conni had 17 years of work experience selling shoes within the health sector and food industry. The ambition to create a safety clog that fulfilled all European standards and certifications rose from the continuous consumer requests.

In April 2015 the first APRILCLOG footwear was launched. Little did we know that it would take another 5 years before APRILCLOG would hold the product we had envisioned. An antibacterial, anti-slip, ESD, washable, breathable and 100 percent recyclable safety clog.

The clog is produced in Italy by some of the country's most experienced safety clog professionals combined with a classic Danish design aesthetic. The materials and technology behind the product have been developed all over the world. Innovation is a cornerstone of APRILCLOG, and we are constantly seeking to disrupt and provide improvements for the safety clog industry. In everything we do, we always keep focus on our most important task: to provide the consumers with the safest, most reusable, and sustainable safety clog on the market. Our mission is to inspire to take care of your safety while being aware of your environmental footprint.

Throughout the years the portfolio of APRILCLOG has increased and now includes APRILCLOG footwear, APRILCLOG soles, ClogWasher and APRILCLOG bag. The newest addition to the portfolio is a safety clog which is 99,999% free of bacteria without the need of autoclaving. Our products are currently being sold in 18 different markets including countries in Europe, Asia, and USA.



## 2. TEAM OVERVIEW

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APRILCLOG has a powerful team of dedicated and experienced professionals with more than a decade of practice in running a business.



### **Conni Seidenfaden | Co-founder and CEO**

Conni has 25 years of experience within the health sector and food industry. Conni provides an eye for opportunity, strong leadership and extensive knowledge of the industry.



### **Jesper Hultquist Sørensen | Co-founder and Investor**

Jesper contributes with over 20 years of experience with running a business. Besides being the Co-founder of APRILCLOG Jesper is currently serving as CEO for another highly profitable company.



### **Marco Nesti | Export Director**

30 years of experience within development, design and production of clogs. This makes Marco the ideal person to oversee the production and development of APRILCLOG.



### **Paul Simmelink | Sales Agent**

Paul is an experienced Corporate Executive with a successful history of working in the textile industry. He has strong skills within sales, business development and marketing strategy.



### 3. COMPANY MILESTONES

#### CONSUMER VALIDATED

The first-generation product of APRILCLOG safety clog is already on the market. The immediate consumer base is growing by the day, and we have successfully proven that this is a product consumers want and is enthusiastic about.

#### DEMOGRAPHIC SUCESS

We are currently having success with selling products in 18 countries. This includes China, Denmark, Finland, France, Germany, Israel, Italy, Nigeria, Norway, Paraguay, Romania, Saudi-Arabia, Spain, Switzerland, The Netherlands, Turkey, United Kingdom, and USA.

#### PROPRIETARY TECHNOLOGY

APRILCLOG has invested and succeeded in creating a clog that is tested 99,999% free of bacteria without the need of autoclavation. This invention not only creates a bacteria free clog but have major environmental advantages compared to other clogs on the market.

#### PRESS MENTIONS

APRILCLOG has received coverage in different well-known Danish and European publications including SCAN magazine which are promoting Scandinavian lifestyle, travel, and business.



## 4. PRODUCT OVERVIEW

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APRILCLOG generates revenue through the sales of APRILCLOG products including APRILCLOG footwear, ClogWasher and APRILCLOG Bag. All APRILCLOG prices are based upon the significant advantages the consumer gets by buying this exact product compared to other safety clogs on the market. None of APRILCLOGs competitors can provide a shoe with the same certifications and quality.

### **APRILCLOG footwear (€27-€63)**

The portfolio of APRILCLOG footwear consists of 4 different designs: ACFE 8, ASFE 8, ACFE 2 and ASFE 2. A technical description of the four designs can be found in their respective datasheets (see appendix 1-6).

The price for a single pair of clogs ranges from €27-€63. The price of a clog depends on multiple factors concerning certifications, protection caps, heel type and the option of a 100% antibacterial clog. Furthermore, the price may vary depending on whether it is sold to a distributor or directly to the end user. We are able to keep the price level at a minimum because we produce the shoes ourselves.

On large orders, the price can change significantly. This is due to the fact that the material can be mixed at a larger quantity and therefore be mass-produced without stops in the production.

### **APRILCLOG soles (€8-€30)**

Insoles from APRILCLOG are made from lightweight polyurethane lined with microfiber. These insoles absorb shock when you walk. This makes them highly flexible and comfortable when wearing and walking. The insoles keep their shape even after many hours of use. We currently have 3 different insoles in our portfolio, which covers the various needs of our customers. The price of insoles ranges from €8-€30.

## **ClogWasher (€3000-€100.000)**

High-quality, clean-water clog washer with drain pump, detergent and rinse-aid dispenser, double wall, rinsing at a constant temperature and pressure. The ClogWasher has won an award as the best technological solution for environmentally safe water consumption and recycling. In fact, the same water can be reused for an entire day (up to 30-40 washes). The machine will self-register whether the water is still clean for use or part of the water needs replacement (by for instance 3 liters of clean water). ClogWasher has a customized shoe basket with room for 9 shoes including insoles. A normal washing cycle takes between 3-4 minutes.

The price of a ClogWasher depends on the individual needs of the buyer. A ClogWasher can be bought as a normal size dishwasher at a starting price of €3000, up to the level of a big washing facility with customized tables at a price of €100,000.

## **APRILCLOG BAG (€)**

At APRILCLOG, we love to think outside the box, be sustainable and think about the environment. This is why we have developed a bag from recycled material of the worn-out clogs. Giving them a second life.



## 5. KEY FEATURES

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**APRILCLOG footwear is a high-quality unisex safety clog combining newest technology and therapeutic features, reliable for protection against electrostatic discharge in rigorous work environments. It is antistatic, oil resistant, antis and is made of safety material with toe cap in steel.**

### High quality

Every APRILCLOG clog undergoes extensive quality measurements to assure that the customers purchase a product without any flaws or defects. It is essential that the product is long lasting, therefore it is important that we at APRILCLOG deliver a product of the highest achievable quality. We are working closely with a state of the art production facility in Italy. In collaboration with the factory, we have ensured certain procedures to create clogs of the highest quality. As a result of this we have next to zero complaints and returns on our products.

### Combining technically and therapeutically properties.

The clogs have an anatomical design which makes them ideal for employees working full shifts. The clogs must be comfortable for the employees, and this has always been a big focus for us.

### Shock absorption

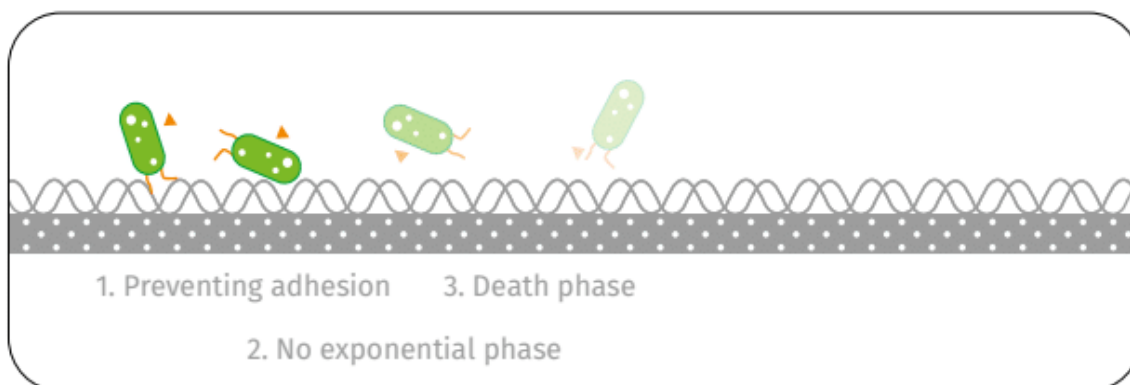
Some employees working in the risk of being exposed of electrostatic discharge. With a clog from APRILCLOG, the people who wear these clogs do not have to fear this, as the clogs are developed/designed to prevent being exposed to electrostatic shocks. The clogs are ESD lifetime certified.



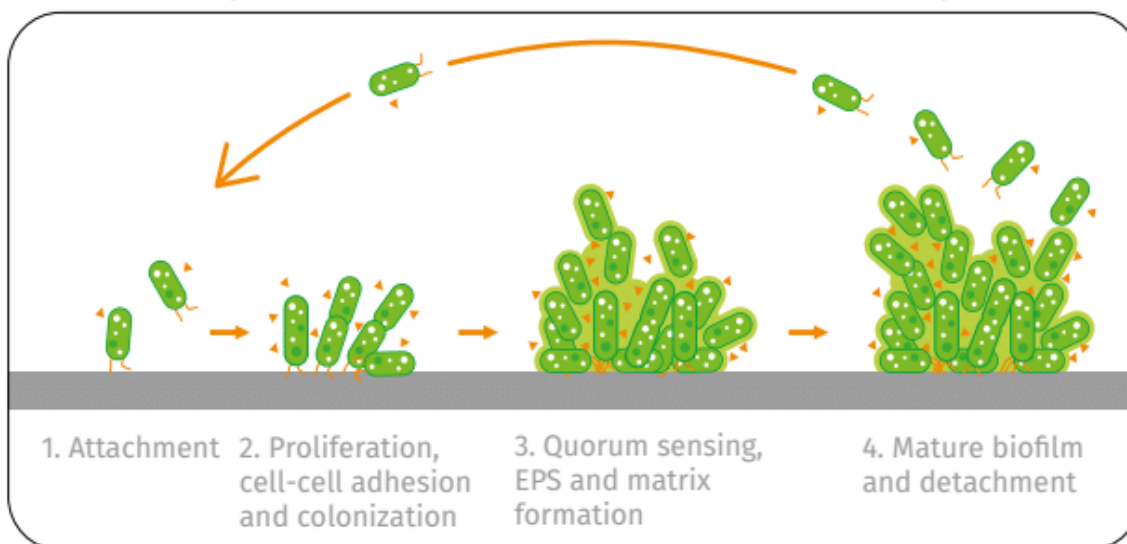
## Antibacterial

An APRILCLOG can be machine washed up to a temperature of 90°C and sterilized in an autoclave up to 134°C. This provides a certainty to the company that they know that their equipment is safe from being exposed to harmful bacteria. Footwear from APRILCLOG is antibacterial which is why they are so ideal for our customers and our targeted markets mentioned in the next section.

### *APRILCLOG® footwear WITH bacteriostatic surface:*



### *Other footwear WITHOUT bacteriostatic surface:*



## **100 % non-slip**

With an APRILCLOG, you are, as a company, aware of your safety for your employees. The clogs are developed and tested in various work environments – and have been proven to reduce accidents.

## **Microchip**

Every APRILCLOG clog has an integrated microchip, which makes it possible to have full control of the washing process and lifetime of the clog. We are working closely with some of the leading companies developing microchips and making sure that only the best microchips are used in our clogs.

## 6. MARKET OVERVIEW

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### Industry

At APRIL CLOG, we are particularly interested in industries where safety and sterility are of highest priority. The industries we are focusing on are obligated to fulfill certain requirements in order to meet specific standards regarding safety, hygiene, durability, economic benefits, and sustainable solutions. This makes APRILCLOG a quintessential choice for companies within these industries.

A general problem in these industries is the lack of safety, fixed heel cap and the need for autoclaving the shoes. APRILCLOG has created a product as a solution to these problems, which makes it highly relevant for several industries, including the ones mentioned in the figure below.

 Hospitals and other health institutions	 Veterinary clinics
 Dental clinics	 Laboratories
 Hotels, Restaurants and Cafes	 Pharmacies
 Cleaning services	 Car workshops

In these industries, they are always focusing on optimizing their work processes. They survive in their industry because they always make sure to produce a product or service without errors – these errors may be that the service or product aren't sterile. Therefore, they demand a product that can help reduce the risk of these mistakes. APRILCLOG ensures exactly this.

## COMPETITORS

### WOCK (€39-€75)

WOCK is one of APRILCLOGS biggest competitor. The company was founded in 2000 by Portuguese José Pinto and are considered as one of the leading clog brands designing clogs for healthcare, beauty cosmetics and cleaning companies.

#### Features

- ❖ Grid design
- ❖ Sterilization
- ❖ Lightweight
- ❖ Comfort

#### Disadvantages

Wock shoes are not ESD lifetime approved, which means that the antistatic part of the shoe will slowly disappear. Compared to APRILCLOG, Wock has holes which give bacteria perfect opportunity to spread.

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### SANITA (€138-€197)

Sanita clogs was established in Denmark in 1907. They are producing Clogs and other products to be used in restaurants, hospitals, salons, and everything in-between. The company has a big product portfolio including clogs, sandals, boots, sneakers, safety boots and slippers.

#### Features

- ❖ Removeable footbed
- ❖ Water and oil resistant
- ❖ Non-slip

#### Disadvantages

Sanita has a limited product portfolio when it comes to safety clogs. Their clogs are made of leather which limits the possibilities for the clog to be autoclaved. The safety clog is expensive compared to alternatives.

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### EURO-DAN (€56-€160)

Sanita clogs was established in Denmark in 1907. They are producing clogs and other products to be used in restaurants, hospitals, salons, and everything in-between. The company has a big product portfolio including clogs, sandals, boots, sneakers, safety boots and slippers.

#### Features

- ❖ Shock-absorbing
- ❖ Non-slip
- ❖ Antistatic
- ❖ Water-and-oil resistant

#### Disadvantages

Euro-dan is a safety clog made of leather which prevent the opportunity to autoclave the shoe. With high demand for sanitarily, its crucial to develop shoes that can be close to 100% clean of bacteria. This is not the case for Euro-dan.

## 7. DIFFERENTIATION FACTOR

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APRILCLOGs biggest differentiations over the competitors contains:

### **Recycling**

APRILCLOG has focused on sustainability from the beginning. A great advantage of an APRILCLOG is that it can be used over and over. The clogs are produced in a way so they can be autoclaved and thus reused after a single wash. This means that you as a company do not have to constantly invest in new equipment for the employees.

This provides both an economic and sustainable advantage for buyers of APRILCLOG, as they will reduce their expenditures significantly and take a green step into a more sustainable future.

In addition to durability, the product is also recyclable. We granulate the material from the worn out APRILCLOG and produce 100% recycled bags.

### **Patented**

APRILCLOGs design is patented in all of Europe and in the United States. This helps to safeguard the inventions of APRILCLOG, making APRILCLOG highly attractive. Besides the fact that a similar design as the one we have at APRILCLOG would take years to imitate, the patent prevents competitors from copying and taking advantage of APRILCLOGs design.

### **Affordability**

With a price range of just €27-€63, APRILCLOG is substantially less expensive than the top competitors on the safety shoes market. This gives APRILCLOG the ability to tap into the huge market opportunities presented in the food industry and healthcare sector, which are constantly looking for a more sustainable and affordable product. Other competitors provide the consumer with products with limited features while APRILCLOG tries to gather all key features into our shoes without compromising the quality - and at a more affordable price.



## 8. MARKETING PLAN OVERVIEW

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It is important for APRILCLOG that we use the right platforms and are present in the right places to capture potential customers and business partners.

### **Identify buyers and business partners**

With the extensive knowledge available in the company of the various branches, industries, and companies, we are certain to identify which customer segments to target in our marketing plan. As described in the market analysis there are a lot of different industries which can benefit from using our products. Therefore, it is important that we are making ourselves available to our customers, by being present.

### **Presence**

For APRILCLOG, it is important to only use social platforms where it makes sense. That is why we particularly focus on physical presence. This manifests itself in the fact that we attend various fairs and to a large extent, plan personal visits to all potential customers. Being able to present our product in person, provides a much better experience for potential customers. They will be able to get a much better overview of the advantages of our products and get to try them out.

It is also an important strategy that we are attending fairs that focus on the industries we are interested in getting in touch with. For instance, we are present at Formland (Herning, DK) and A+A (Düsseldorf, DE). This strategy has been especially successful for us, in terms of expanding our network, creating new partnerships and meeting new potential customers.

### **Content Initiatives and Strategies**

We strive to deliver content which gives insight to the benefits of APRILCLOG. This could, per example, be a focus on the advantages which have already been described under the section of products and services. We also focus on delivering content that highlights specific use cases from our existing customers.

APRILCLOG is also present on social media such as LinkedIn and Facebook. Facebook is the media; we are mainly focusing on. On Facebook, we focus on creating posts that can inspire where to use APRILCLOG, customer experiences and the general advantages of using a safety clog from APRILCLOG.

APRILCLOG has also placed various advertisements in newspapers, journals, and industry specific magazines. These have created increased awareness of our products and have given a boost to our network and ensured an increased sale of our safety clogs.

### **Key points in our Marketing Plan**

- ❖ Publish content and information to LinkedIn and Facebook.
- ❖ Ads on relevant market specific magazines.
- ❖ Fairs such as Farmland (Herning, DK) and A+A (Düsseldorf, DE).
- ❖ Continue to focus on the personal customer meetings.
- ❖ Continue to make interest analysis on a regular basis to expand the customer base.



## 9. OPERATIONAL OVERVIEW

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The logistics of creating and shipping APRILCLOG products are a crucial differentiator for the business.

### Suppliers

APRILCLOG has trimmed the market to find the best suppliers. The company has from an early stage co-operated with the Italian Company Marfran as the main supplier of thermoplastic elastomers which is the main material used in the clogs.

### Production

The clogs are produced in Italy in close and professional cooperation with the Italian production company Italsaplast. At Italsaplast, we have ensured that we work with top professionals who always deliver high quality products. Over the years of working closely together, we have built a good, strong relationship and mutual cohesion.

At Italsaplast we have our own patented molds, which we are constantly developing. Throughout the years we have developed and refined the product to ensure the best quality. Having the molds at the production facility we can quickly push on a new production, should this become relevant.

### Facilities

Our warehouse and administration are located in Denmark. The warehouse can accommodate up to 15.000 boxes of clogs, ready to ship to the consumers. The warehouse has an ideal location, being located close to Billund Airport and Port of Aarhus, which is Denmark's largest container port.

Besides the warehouse and administration, the facility also contains a sewing room. The sewing room places finishing touches on the recycled bags, so they are ready to be shipped to the consumers.

Storing the products in Denmark is a valuable asset for APRILCLOG as the product undergoes randomized checks of ESD and microchips when they arrive at our warehouse. This ensures that the products shipped to the end-user are always top-quality and meets all the guaranteed certifications.

## **Shipping and order fulfilment**

APRILCLOG has a close collaboration with DSV and GLS, both being global shipping companies. DSV is used when shipping large orders while GLS distributes smaller orders. The agreements with DSV and GLS contain both service offers on standardized and tailored shipping solutions.

# APPENDIX

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## ACFE 2

Antislip · Antibacterial · Washable at 90°C · Autoclavable at 134°C



### Description

High-quality safety shoes, unisex, combining technical and therapeutic features, reliable for protection against electrostatic discharge in rigorous work environments. Machine washable up to a maximum temperature of 90°C can be steam sterilized in autoclave up to 134°C, antibacterial and 100% antislip.

### Sizes

All clogs available in the following sizes:  
34 - 47

### Certificates and Norms

ACFE2 CATEGORY OF PPE: II  
EN ISO 20347:2012 OB-SRC-A-E ESD  
Markings CE

### Technical Features



### Colours



ACFE2-N9016-WHITE



ACFE2-N9011-BLACK



ACFE2-N5017-BLUE



ACFE2-N6016-GREEN



ACFE2-N3020-RED



ACFE2-N4003-PINK

### Intended Uses

- APRILCLOG style ACFE 2.
- Sterile Environments
  - Hospitals and other Healthcare Institutions
  - Dentists
  - Veterinarians
  - Laboratories
  - Food Industry
  - Cleaning Companies

Danish Design · Made in Italy APRILCLOG® ApS · Falkevej 20 · DK-8766 Nr. Snede · [www.aprilclog.com](http://www.aprilclog.com)



## ACFE 8

Antislip · Antibacterial · Washable at 90°C · Autoclavable at 134°C



### Description

High-quality safety shoes, unisex, combining technical and therapeutic features, reliable for protection against electrostatic discharge in rigorous work environments. Machine washable up to a maximum temperature of 90°C can be steam sterilized in autoclave up to 134°C, antibacterial and 100% antislip.

### Sizes

All clogs available in the following sizes:  
34 - 47

### Certificates and Norms

ACFE8 CATEGORY OF PPE: II  
EN ISO 20347: 2012 OB A E SRA ESD  
Marking: CE

### Technical Features



With strap



Antislip



Anatomic



Breathable



Shock absorption



Antistatic



Fuel oil resistant



Washable



Autoclavable



Unisex



Antibacterial



ESD certificate



Recyclable

### Intended Uses

- APRILCLOG style ACFE 8.
- Sterile Environments
  - Hospitals and other Healthcare Institutions
  - Dentists
  - Veterinarians
  - Laboratories
  - Food Industry
  - Cleaning Companies

### Colours



ACFE8-N9016-WHITE



ACFE8-N9011-BLACK



ACFE8-N5017-BLUE



ACFE8-N6016-GREEN



ACFE8-N3020-RED



ACFE8-N4003-PINK

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## ASFE 2



### Safety shoe

Safety cap · Antislip · Antibacterial · Washable at 90°C · Autoclavable at 134°C

#### Description

High-quality safety shoe with safety cap. Unisex, combining technical and therapeutic features, reliable for protection against electrostatic discharge in rigorous work environments. Machine washable up to a maximum temperature of 90°C can be steam sterilized in autoclave up to 134°C, antibacterial and 100% antislip.

#### Sizes

All clogs available in the following sizes:  
34 - 47

#### Certificates and Norms

ASFE2 CATEGORY OF PPE: II  
EN ISO 20345:2011 SB-SRC-A-E ESD  
Markings CE

#### Technical Features



#### Colours



ASFE2-N9016-WHITE



ASFE2-N9011-BLACK



ASFE2-N5017-BLUE



ASFE2-N6016-GREEN



ASFE2-N3020-RED



ASFE2-N4003-PINK

#### Intended Uses

- APRILCLOG style ASFE 2.
- Sterile Environments
  - Hospitals and other Healthcare Institutions
  - Dentists
  - Veterinarians
  - Laboratories
  - Food Industry
  - Cleaning Companies

Danish Design · Made in Italy APRILCLOG® ApS · Falkevej 20 · DK-8766 Nr. Snede · [www.aprilclog.com](http://www.aprilclog.com)



## ASFE 8



### Safety shoe

Safety cap · Antislip · Antibacterial · Washable at 90°C · Autoclavable at 134°C

#### Description

High-quality safety shoe with safety cap. Unisex, combining technical and therapeutic features, reliable for protection against electrostatic discharge in rigorous work environments. Machine washable up to a maximum temperature of 90°C can be steam sterilized in autoclave up to 134°C, antibacterial and 100% antislip.

#### Sizes

All clogs available in the following sizes:  
34 - 47

#### Certificates and Norms

ASFE8 CATEGORY OF PPE: II  
EN ISO 20345: 2011 SB E A SRA ESD  
Marking: CE

#### Technical Features



#### Colours



#### Intended Uses

- APRILCLOG style ASFE 8.
- Sterile Environments
  - Hospitals and other Healthcare Institutions
  - Dentists
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  - Laboratories
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  - Cleaning Companies

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**520110070-0000-511**  
**Bacteriostatic**  
**BACC 2/ BACS2/BACC8/BACS8**



**Test report n°: 22RP00184 dated 14/02/2022**

Parameter – Specification <i>Method – Notes</i>	M.U.	Results Notes	LoQ	LoD	Test start Test end
Determination of antibacterial activity (R) - R=(Ut-Uo)-(At-Uo)		>5,9	0,3		27/01/22 30/01/22
Determination of antibacterial activity (R) ISO 22196:2011	%	>99,999	50		
Size of test specimens (H x L)	mm	50x50			
Thickness of test specimens	mm	4,0			
Type of polymer used for the cover film		Polypropylene			
Size of the cover film (H x L)	mm	40x40			
Thickness of the cover film	mm	0,10			
Strain		Escherichia coli ATCC 8739			
Reference used		Untreated sample			
Volume of test inoculum	ml	0,4			
Number of viable bacteria in the test inoculum	n°	290000			
Time of contact	Hours	24			
Uo - N° of viable bacteria recovered from the untreated test specimens after inoculation	log	3,9			
Ut - N° of viable bacteria recovered from the untreated test specimens after 24 h	log	5,9			
At - N° of viable bacteria recovered from the treated test specimens 24 hours post inoculation	log	NQ			

## APRILCLOG E CD

### Electrostatic dissipative TPE compound

Plastic materials are electrical insulators by their own nature. This feature is desired in most applications but it can generate problems when the final product undergoes rubbing stress. In such conditions the material accumulates electrostatic charges which are responsible for the "shock" received when touching an electrified object.

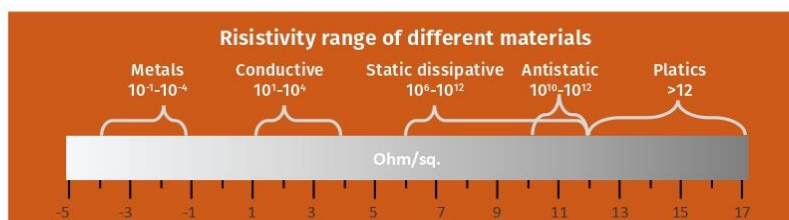
Our TPE compounds based on styrene block copolymers are excellent insulators as well as all plastic materials, however it is possible to exhaust the build-up of electrostatic charge thanks to specific additives. The problem of the accumulation of electrostatic charges has increasingly become an aspect of legislative relevance thus it is regulated by various sector directives, especially for Personal Protective Equipment for professional use (for example safety shoes).





### Intrinsically Conductive Polymers (ICP)

The conduction mechanism is activated by a homogeneously dispersed polymer component in the thermoplastic matrix; this mechanism doesn't depend on mechanical and environmental stresses applied to the material and it guarantees a much more stable electrical conductivity over time (permanent).



### APRILCLOG E CDP

#### PERMANENT ELETTRICALLY DISSIPATIVE TPE COMPOUND

APRILCLOG E CDP is a TPE-S compound based on SEBS modified with specific intrinsically conductive polymers in order to obtain a material with high capability to discharge the electrostatic charges. The electrical conduction mechanism based on Intrinsically Conductive Polymer ensures that this capability is permanent, regardless of the conditions of use of the product.

The APRILCLOG E CDP also guarantees a good level of physical and mechanical characteristics.

Grade	Hardness (Sh A)	Food contact grade	Density (g/cm <sup>3</sup> )	Tensile strenght (MPa)	Elonga- tion at break (%)	Tear strenght (N/mm)	Volume resistivity (Ohm*cm)	Surface resistivity (Ohm/sq)
APRILCLOG E CDP 50A	50	✓	0,940	2,8	530	23	≤1E9	≤1E9
APRILCLOG E CDP 55A	55	✓	0,940	3,1	520	25		
APRILCLOG E CDP 60A	60	✓	0,940	3,4	520	27		
APRILCLOG E CDP 65A	65	✓	0,940	3,7	500	29		
APRILCLOG E CDP 70A	70	✓	0,940	4,0	480	30		



## Safety shoe with shaft

### ACFE 8

- ✓ Comfortable, lightweight and breathable
- ✓ Permanent antistatic properties
- ✓ Designed for ESD and clean air environment performance
- ✓ Extraordinary durability
- ✓ Antislip and antibacterial
- ✓ Washable at 90°C and autoclavable at 134°C



For information and characteristics of the fabrics, see other side



### Description

High-quality safety shoes, unisex, combining technical and therapeutic features, reliable for protection against electrostatic discharge in rigorous work environments. Machine washable up to a maximum temperature of 90°C can be steam sterilized in autoclave up to 134°C, antibacterial and 100% antislip. Shaft and zipper also autoclavable.

### Intended Uses

- APRILCLOG style ACFE 8.
- Sterile Environments
  - Hospitals and other Healthcare Institutions
  - Dentists
  - Veterinarians
  - Laboratories
  - Food Industry
  - Cleaning Companies

### Technical Features



### Sizes

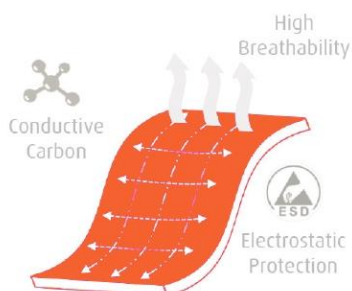
All clogs available in the following sizes:  
34 - 47

### Colours



### Certificates and Norms

ACFE8 CATEGORY OF PPE: II  
EN ISO 20347: 2012 OB A E SRA ESD  
Marking: CE



#### Technical characteristics of the fabric:

Spinning type	Polyester Microfiber with carbon filaments
Composition	98% polyester, 2% Carbon
Weight	135 g/m <sup>2</sup>

#### Meets the following standards:

	Norm	Units	Result	Requirements
Protection of electronic devices from electrostatic phenomena	ISO 61340-5-1: 2006	$\Omega$	$5.0 \times 10^7$	$R_p - p < 1 \times 10^{11}$
Charge decay	EN 1149-3	$T_{50} \text{ ó } S$	PASS	$t_{50} < 4s \text{ ó } S > 2$
Airborne particles	ASTM F51		ISO 5 – Class 100 – GMP A/B	
Particle filtration	ISO 9073	IPM	3,3	$\leq 3,5$
Linting	ISO 9073	$\text{Log}_{10}$	3,5	$\leq 4$
Water vapor resistance	UNE – EN 31092	M2PA/W	1,96	$< 6$
Bursting strenght – dry	ISO 13938	kPa	1416	$> 40$
Tensile strenght – dry	EN- 29073	N	U/890 T/505	$> 20$
Citotoxicity	ISO 10993	Recovered cells	100%	PASS
Resistance to microbial penetration in dry	ISO 22612	CFU	0	$\leq 2$



Manufactured with microfilaments of textured polyester



Accredited for clean rooms, surgical areas and their environments



Barrier against the penetration of particulate matter and bacteria



Lightweight and breathable



Smart texture, resistant and comfortable



Easy care



Extraordinary durability and quick amortization



## Safety shoe with shaft

### ASFE 8

- ✓ Comfortable, lightweight and breathable
- ✓ Permanent antistatic properties
- ✓ Designed for ESD and clean air environment performance
- ✓ Extraordinary durability
- ✓ Antislip and antibacterial
- ✓ Washable at 90°C and autoclavable at 134°C



For information and characteristics of the fabrics, see other side

>>>



### Description

High-quality safety shoe with safety cap and shaft. Unisex, combining technical and therapeutic features, reliable for protection against electrostatic discharge in rigorous work environments. Machine washable up to a maximum temperature of 90°C can be steam sterilized in autoclave up to 134°C, antibacterial and 100% antislip. Shaft and zipper also autoclavable.

### Technical Features



### Certificates and Norms

ASFE8 CATEGORY OF PPE: II  
EN ISO 20345: 2011 SB E A SRA ESD  
Marking: CE

### Intended Uses

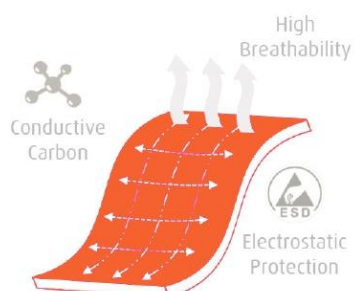
- APRILCLOG style ASFE 8.
- Sterile Environments
  - Hospitals and other Healthcare Institutions
  - Dentists
  - Veterinarians
  - Laboratories
  - Food Industry
  - Cleaning Companies

### Sizes

All clogs available in the following sizes:  
34 - 47

### Colours





#### Technical characteristics of the fabric:

Spinning type	Polyester Microfiber with carbon filaments
Composition	98% polyester, 2% Carbon
Weight	135 g/m <sup>2</sup>

#### Meets the following standards:

	Norm	Units	Result	Requirements
Protection of electronic devices from electrostatic phenomena	ISO 61340-5-1: 2006	$\Omega$	$5.0 \times 10^7$	$R_p - p < 1 \times 10^{11}$
Charge decay	EN 1149-3	$T_{50} \text{ ó } S$	PASS	$t_{50} < 4s \text{ ó } S > 2$
Airborne particles	ASTM F51		ISO 5 – Class 100 – GMP A/B	
Particle filtration	ISO 9073	IPM	3,3	$\leq 3,5$
Linting	ISO 9073	$\text{Log}_{10}$	3,5	$\leq 4$
Water vapor resistance	UNE – EN 31092	M <sub>2</sub> PA/W	1,96	$< 6$
Bursting strenght – dry	ISO 13938	kPa	1416	$> 40$
Tensile strenght – dry	EN- 29073	N	U/890 T/505	$> 20$
Citotoxicity	ISO 10993	Recovered cells	100%	PASS
Resistance to microbial penetration in dry	ISO 22612	CFU	0	$\leq 2$







## Insoles for APRILCLOG® clogs

### Description

Two components polyether based polyurethane system, fully water blown, qualified for the production of insoles and cushions designed to provide the best combination of properties and to deliver the maximum comfort to the body. The foam has low memory behaviour to improve the adaptability to the shape of the foot or other body parts, in combination with the right load bearing to properly support the body weight.

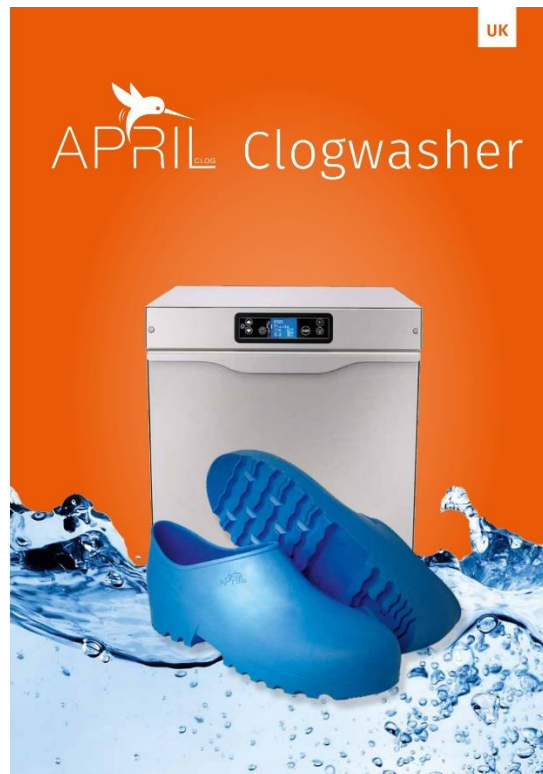
### Typical Polymer Properties:

	Units	Values	Test Method
Density	Kg/m <sup>3</sup>	245	ISO 845
Hardness	Sh.A	9	UNI EN ISO 868
Tensile strength	N/mm <sup>2</sup>	0,60	ASTM D 3574
Tear strength	N/m	420	ASTM D 3574
Elongation at break	%	115	ASTM D 3574
Ball rebound	%	6-8	ASTM D 3574
CLD	Fattore Sag	3,45	ISO 3386-1
CLD	Isteresi	52	ISO 3386-1
Compression set 50%@70° C 22h	%	5,0	ASTM D 3574

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Telefon: +45 75160160 · E-Mail: info@aprilclog.com



### Description

High-quality clean water clog washer with drainpump, detergent and rinse-aid dispenser, double wall, rinsing at constant temperature and pressure.

Refill and break tank electronic with very strong motorpump and arms. Clog machine won an award as best technology for safe water using and recycle. In fact, the same water can be overused for a whole day (up to 30-40 washes a day) and the machine itself comes to a decision if the water is still clean for use or need to change part of it (maybe 3 liter).

Clog washer with special clog basket with room for 9 clogs and insoles. Washing time with normal washing takes 3-4 minutes.

### 2 different washing cycles

- »Special for medical tabs«: 300 sec, tank temperature 55°C, temperature 90°C
- For other uses: 300 sec, tank temperature 55°C, temperature 60°C



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### The best device for professional activity

- Electronic control with touch screen display
- Ecoclean system for **clean water refill** at every wash cycle
- Thermal-acoustic double door and wall (????)
- New inclined and deep-drawn welded tank
- Built-in double dispenser for **detergent** and **antibacterial**
- Door reinforcement brackets 20/10
- **Special clog basket** which contains 9 clogs and their insoles
- Fully stainless steel made wash and rinse arms for low maintenance, heavy duty, all corrosion resistant
- Extractable double pump filter + integral tank filters

### Technical Specifications

**Dimensions:** 60 x 70 x 84 cm  
**Basket:** 50 cm  
**Capacity:** Tank 13 lt, boiler 9 lt  
**Washing cycle:** 3-4 minutes  
**Voltage/Power:** 6,89 kW / 16A / 400V3N+T / 50/60 Hz  
**Washing Pump:** 0,89 kW / 1,2 HP

### Certifications

IEC 60335-2-58+A1:2008  
IEC 60335-1:2010  
Markings CE



APRILCLOG «Danish Design · Made in Italy

# APRIL<sup>CLOG®</sup> OXICIT

for use with APRILCLOG®'s Clogwasher

## Technical Data Sheet

Rapid action sanitizer with stabilized organic acids and hydrogen peroxide, suitable for recirculation or manual washing. It is effective even at low temperatures against all organisms (including spore-genous bacteria and viruses).

## Physical and Chemical Properties:

<b>Appearance:</b>	Liquid
<b>Color:</b>	Colorless
<b>Odour:</b>	Characteristic
<b>Relative density (20°C):</b>	1.14 g/mL
<b>pH (sol.1% in H<sub>2</sub>O):</b>	2,80
<b>pH:</b>	1,00
<b>Solubility in water:</b>	Unlimited
<b>Foam:</b>	No foaming



## Product Compatibility:

OXICIT, when applied at the recommended concentration and temperature, is suitable for APRILCLOG® clogs.

## Use Instructions

Important: Rinse after using OXICIT, as required by current legislation.

### Dairy factory

#### **a) Pipes and tanks**

After washing, use OXICIT at concentration 0,2%-0,5% (water temperature 5÷20°C), for 20-40 minutes.

#### **b) Heat exchanger sanitizing treatment**

Use OXICIT at concentration 0,1%-0,3%, use OXICIT at concentration 0,1%-0,3%, the product must circulate until it reaches the heat exchangers temperature working.

#### **c) Molds, sanitizing treatment in washing machine**

Use OXICIT at concentration 0.2-0.5%.

#### **d) Packaging equipment**

Spray OXICIT at concentration 0.3-0.5%, and then rinse.

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# OXICIT

for use with APRILCLOG®'s Clogwasher

## **Beverage factory**

### **a) Filling machine**

After washing, use OXICIT at concentration 0,2%-0,5% (water temperature 5÷20 °C).

### **b) Pipes and tanks sanitizing treatment**

After washing, use OXICIT at concentration 0,2%-0,5% (water temperature 5÷20 °C), for 20-40 minutes.

### **c) Mixer**

After washing, use OXICIT at concentration 0.5%.

### **d) Beer fermentation tank**

Use OXICIT at concentration 0.5-1% for 20-40 minutes.

### **e) Conveyor belt**

Nebulize PERACTIVE 150 at concentration 0,3-0,5%.

### **f) UF, MF Membranes**

Use OXICIT at concentration 0.2-0.5.

## **Canning Industry**

### **a) Pipes, tanks, mixer and filling machines**

After washing, use OXICIT at concentration 0.2-0.5% water temperature 5 - 20°C for 20-40 minutes.

### **b) equipment and packaging machine**

Nebulize OXICIT at concentration a 0.3-0.5%.

## **Warnings:**

*Avoid improper use of the product . Keep container tightly closed or where is possible store so as to avoid extremes of temperature.*

*See material safety data sheets for safe handling information and for waste disposal. IRCASERVICE S.p.A. shall not be held liable for improper use of the product. The Product could feature change without notice.*

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