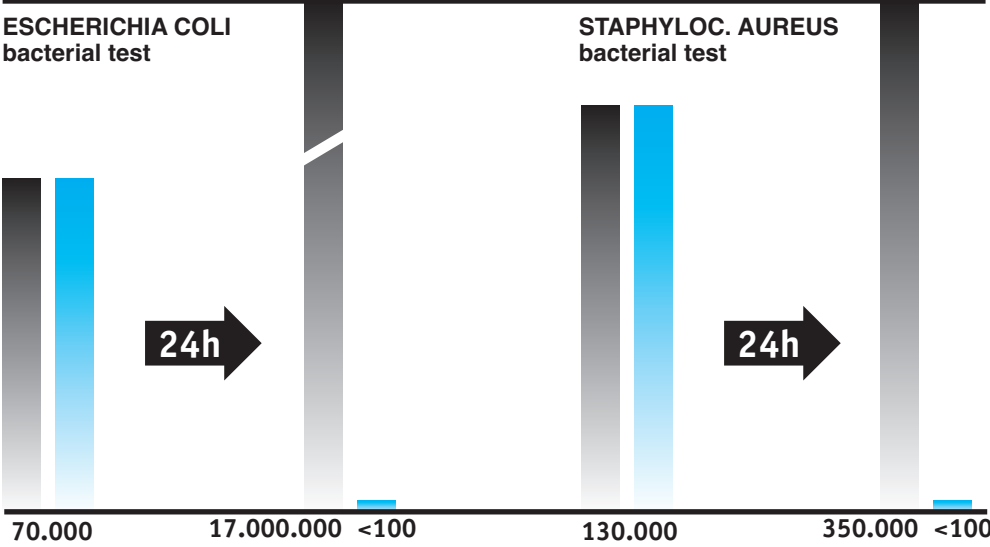


## The test results.

The "Antimicrobial8" treatment has been subjected to antibacterial efficacy tests carried out in biological laboratories in accordance with JIS Z 2801:2000 standards using two of the most common bacteria: **NBRC 3972 ESCHERICHIA COLI - NBRC 12372 STAPHYLOCOCCUS AUREUS.** In order to give greater value to the tests, the surfaces that were subjected to them were first heat-treated so as to simulate 10-year indoor ageing of the article. After placing a colony with a known bacteria content on the coating surfaces under examination, the bacteria still active are counted after 24 hours. The proliferation difference between the article treated with a normal powder paint and Antimicrobial8 unquestionably establishes the antibacterial effectiveness of the product.



### Results of the ESCHERICHIA COLI bacterial test

Coating	Initial n° of active bacteria	n° of active bacteria after 24h	Antibacterial effectiveness	%Reduction
normal Durpol	70.000	17.000.000	-	-
Antimicrobial8	70.000	<100	> 5,2	> 99,9%

### Results of the STAPHYLOCOCCUS AUREUS bacterial test

Coating	Initial n° of active bacteria	n° of active bacteria after 24h	Antibacterial effectiveness	%Reduction
normal Durpol	130.000	350.000	-	-
Antimicrobial8	130.000	< 100	> 3,5	> 99,9%

The results of the tests provide clear and concrete confirmation of the high antibacterial effectiveness of "Antimicrobial8".



anti  
microbial8  
The new antibacterial barrier.



FROM POWDER TO VIRTUE

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The new antibacterial  
barrier







# anti microbiale

Concerns arising out of the possible diffusion of bacterial infection and the aggressiveness and resistance revealed by certain bacteria are leading to a broader and more differentiated demand for working and meeting environments provided with equipment, machinery and furnishings which are safe and protected from the possibility of bacterial proliferation.

In order to provide a concrete response to a demand of such great importance, the research and development laboratories of Europolveri S.p.A. have formulated "Antimicrobial8", a powder paint in the Durpol series, capable of blocking the proliferation of dangerous bacteria that would otherwise form "biofilms" which would then be difficult to remove.

**The "Antimicrobial8" treatment has recorded extremely high antibacterial effectiveness in tests.**

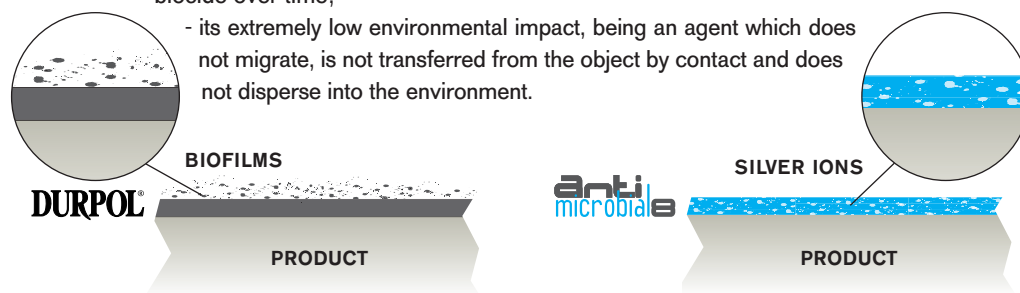
## A stop to bacterial proliferation.



# anti microbiale

is a powder paint formulated using an inorganic type of antibacterial agent employing silver ions with a broad spectrum of activity; the decision to choose this agent, whose antibacterial activity has actually been known since antiquity, springs from:

- the results of the most advanced studies and research;
- its confirmed and absolute innocuousness for human health;
- the absence of scientific evidence of bacteria which have improved their resistance to this type of biocide over time;
- its extremely low environmental impact, being an agent which does not migrate, is not transferred from the object by contact and does not disperse into the environment.



The presence in the "Antimicrobial8" formulation of the antibacterial agent gives rise to slow and constant release over time of silver ions which endow the treated articles with marked antimicrobial characteristics that effectively impede bacterial proliferation. It should be noted that the bacterial proliferation inhibitory features of "Antimicrobial8" and the guarantee of the duration of its effectiveness do not eliminate the need to clean the articles constantly and scrupulously.



## Sectors of applications.

The antibacterial effectiveness distributed evenly through the complete thickness of the coating, and not just on the surface, and the fact that the slow silver ion release action is a guarantee of long-lasting antibacterial action, equivalent to the article's life, make "Antimicrobial8" suitable and recommendable for all those items for which the abatement and control of bacterial proliferation are of fundamental importance and provide a guarantee of added value.

Some examples of production areas and merchandise sectors in which "Antimicrobial8" can be usefully and effectively employed are listed below:

- Machinery and equipment for the food and drink industry
- Builders of clean rooms and environments with controlled contamination
- Machinery and equipment for the pharmaceutical industry
- Furnishing and equipment for public and/or commercial use
- Equipment and products for communities
- Furniture and equipment for crèches, nursery schools and child support services
- Electrical appliances and kitchen utensils for the home and catering
- Sanitary ware and equipment
- Components and equipment for building and the home
- Medical products, instruments and equipment
- Sanitary and hospital equipment and furnishing
  - Gymnasium equipment and furnishing
  - Public transport vehicles

