

## Revolve N-272 antibacterial protection

Revolve N-272 protects your rotomoulded products from bacteria and the problems associated with bacteria. The antibacterial additive used is inorganic, and is able to inhibit the growth of bacteria, mold and yeast. The functional additive works from the inside out and prevents microbial growth in microcracks, dead spots and rough surfaces. Revolve N-272 protection gives better performance than the organic version since it is effective also against MRSA.

INORGANIC	ORGANIC
The specific structure controls slow release of Silver ions: <ul style="list-style-type: none"> <li>• Non-toxic</li> <li>• Long life</li> <li>• Slow migration</li> </ul>	Highly volatile: <ul style="list-style-type: none"> <li>• Toxic (can cause irritation to eyes and skin)</li> <li>• Short life</li> <li>• Fast migration</li> </ul>
High heat resistant – up to 800° C	Low heat resistant – less than 300° C
Prevents discoloration	High Yellowness Index
Highly effective & stable – Does not vaporize nor decompose	Thermal degradation may occur during moulding
Improved colour stabilization	
FDA approved	Not FDA approved
Bactericide – kills bacteria	Bacteriostat – inhibits growth of bacteria

## What applications can Revolve N-272 work best with?

Customers have already seen the benefits of Revolve N-272 in applications such as:

- Filters
- Toys
- Water tanks
- Waste bins
- Hospital supplies
- Sanitary accessories – toilet seats

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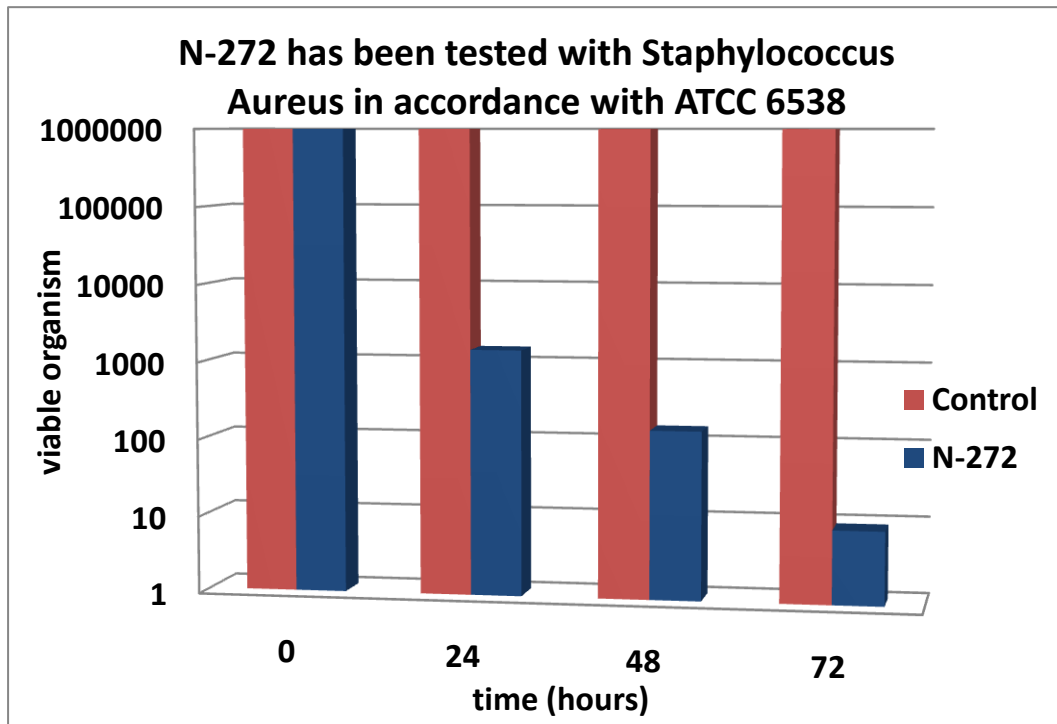
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## Does Revolve N-272 really work?

The graph below shows how N-272 protection reduces the growth of bacteria after 3 days.



For more information on Revolve N-272 or any other Matrix products, please contact your local account manager or visit [www.matrixpolymers.com](http://www.matrixpolymers.com)

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