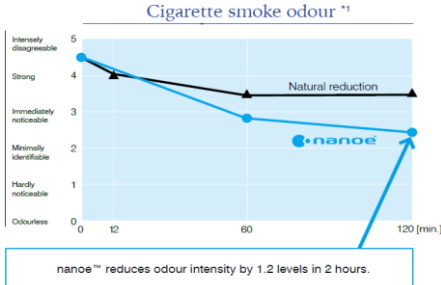
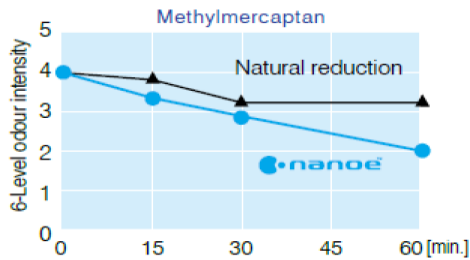
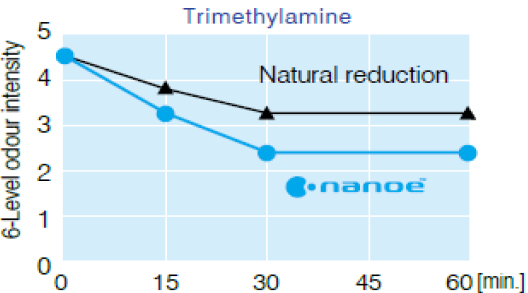
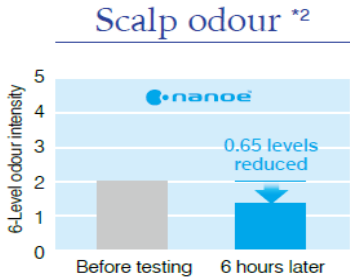


Działanie technologii Nanoe

Poniższe wykresy prezentują zdolność nanoe w usuwaniu i neutralizacji poszczególnych zanieczyszczeń. Wyniki zostały podzielone na określoną kubaturę oraz zgodnie z czasem, w którym nanoe zapewnia najwyższą skuteczność.

1. Neutralizowanie zapachów




Odours		Result	Capacity	Time	Graph
Adhered	Cigarette smoke odour	Odour intensity reduced by 1.2 levels	Approx. 23m3	2	
Adhered	Garbage odour (Methylmercaptan)	Odour intensity reduced by 1.2 levels	Approx. 23m3	1	
Adhered	Garbage odour (Trimethylamine)	Odour intensity reduced by 0.9 levels	Approx. 23m3	1	
Adhered	Scalp odour (Pillow cover)	Odour intensity reduced by 0.65 levels	Approx. 23m3	6	

2. Neutralizowanie bakterii i wirusów

Bacteria & viruses		Result	Capacity	Time	Graph															
Airborne	Virus Bacteriophage ΦX174	99.7% inhibited	Approx. 25m3	6	<p>Airborne viruses bacteriophageΦx174*4</p> <table border="1"> <caption>Data for Airborne viruses graph</caption> <thead> <tr> <th>Time (hour)</th> <th>Natural reduction (CFU/1000L air)</th> <th>nanoē (CFU/1000L air)</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>6</td> <td>6</td> </tr> <tr> <td>4</td> <td>5.5</td> <td>3.5</td> </tr> <tr> <td>6</td> <td>5.2</td> <td>2.2</td> </tr> <tr> <td>8</td> <td>5</td> <td>1.5</td> </tr> </tbody> </table>	Time (hour)	Natural reduction (CFU/1000L air)	nanoē (CFU/1000L air)	0	6	6	4	5.5	3.5	6	5.2	2.2	8	5	1.5
Time (hour)	Natural reduction (CFU/1000L air)	nanoē (CFU/1000L air)																		
0	6	6																		
4	5.5	3.5																		
6	5.2	2.2																		
8	5	1.5																		
Airborne	Bacteria Staphylococcus aureus	99.7% inhibited	Approx. 25m3	4	<p>Airborne bacteria Staphylococcus aureus *1</p> <table border="1"> <caption>Data for Airborne bacteria graph</caption> <thead> <tr> <th>Time (hour)</th> <th>Natural reduction (CFU/1000L air)</th> <th>nanoē (CFU/1000L air)</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>6.5</td> <td>6.5</td> </tr> <tr> <td>4</td> <td>6</td> <td>2.5</td> </tr> <tr> <td>6</td> <td>5.8</td> <td>1.5</td> </tr> <tr> <td>8</td> <td>5.5</td> <td>0.5</td> </tr> </tbody> </table>	Time (hour)	Natural reduction (CFU/1000L air)	nanoē (CFU/1000L air)	0	6.5	6.5	4	6	2.5	6	5.8	1.5	8	5.5	0.5
Time (hour)	Natural reduction (CFU/1000L air)	nanoē (CFU/1000L air)																		
0	6.5	6.5																		
4	6	2.5																		
6	5.8	1.5																		
8	5.5	0.5																		
Adhered virus	Influenza virus (H1N1 subtype)	99.9% inhibited	1m3	2	<p>Adhered viruses Influenza virus H1N1 subtype *5</p> <table border="1"> <caption>Data for Adhered viruses graph</caption> <thead> <tr> <th>Time</th> <th>Survival rate (%)</th> </tr> </thead> <tbody> <tr> <td>Before testing</td> <td>100</td> </tr> <tr> <td>2 hours later</td> <td>0.1</td> </tr> </tbody> </table>	Time	Survival rate (%)	Before testing	100	2 hours later	0.1									
Time	Survival rate (%)																			
Before testing	100																			
2 hours later	0.1																			
Adhered virus	Poliovirus type 1 (Lac 2ab)	99.7% inhibited	45L	2	<p>Adhered viruses Poliovirus type1 (Lsc-2ab)*6</p> <table border="1"> <caption>Data for Adhered viruses graph</caption> <thead> <tr> <th>Time</th> <th>Survival rate (%)</th> </tr> </thead> <tbody> <tr> <td>Before testing</td> <td>100</td> </tr> <tr> <td>2 hours later</td> <td>0.3</td> </tr> </tbody> </table>	Time	Survival rate (%)	Before testing	100	2 hours later	0.3									
Time	Survival rate (%)																			
Before testing	100																			
2 hours later	0.3																			
Adhered bacteria	Bacterium enterohemorrhagic escherichia coli (O157)	99.99% inhibited	45L	1	<p>Adhered viruses O157 *2</p> <table border="1"> <caption>Data for Adhered viruses graph</caption> <thead> <tr> <th>Time</th> <th>Survival rate (%)</th> </tr> </thead> <tbody> <tr> <td>Before testing</td> <td>100</td> </tr> <tr> <td>1 hour later</td> <td>0.01</td> </tr> </tbody> </table>	Time	Survival rate (%)	Before testing	100	1 hour later	0.01									
Time	Survival rate (%)																			
Before testing	100																			
1 hour later	0.01																			
Adhered bacteria	Methicillin-resistant staphylococcus aureus (MRSA)	99.99% inhibited	45L	1	<p>Adhered viruses MRSA *3</p> <table border="1"> <caption>Data for Adhered viruses graph</caption> <thead> <tr> <th>Time</th> <th>Survival rate (%)</th> </tr> </thead> <tbody> <tr> <td>Before testing</td> <td>100</td> </tr> <tr> <td>1 hour later</td> <td>0.01</td> </tr> </tbody> </table>	Time	Survival rate (%)	Before testing	100	1 hour later	0.01									
Time	Survival rate (%)																			
Before testing	100																			
1 hour later	0.01																			

3. Neutralizowanie pleśni

Mould		Result	Capacity	Time	Graph																		
Airborne	Cladosporium	99% inhibited	Approx. 23m3	1	<p>Airborne mould ¹</p> <p>Cladosporium</p> <table border="1"> <caption>Graph Data: Airborne mould survival rate (%)</caption> <thead> <tr> <th>Time (min)</th> <th>Natural reduction (%)</th> <th>nanoe (%)</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>100</td> <td>100</td> </tr> <tr> <td>15</td> <td>~65</td> <td>0</td> </tr> <tr> <td>30</td> <td>~35</td> <td>0</td> </tr> <tr> <td>45</td> <td>~35</td> <td>0</td> </tr> <tr> <td>60</td> <td>~35</td> <td>0</td> </tr> </tbody> </table> <p>Cladosporium</p> <p>Without nanoe™ nanoe</p>	Time (min)	Natural reduction (%)	nanoe (%)	0	100	100	15	~65	0	30	~35	0	45	~35	0	60	~35	0
Time (min)	Natural reduction (%)	nanoe (%)																					
0	100	100																					
15	~65	0																					
30	~35	0																					
45	~35	0																					
60	~35	0																					
Adhered	Aspergillus	99.5% inhibited	45L	8	<p>Aspergillus</p> <p>Without nanoe™ nanoe</p>																		
Adhered	Penicillium	99.5% inhibited	45L	4	<p>Penicillium</p> <p>Without nanoe™ nanoe</p>																		
Adhered	Fusarium	99.9% inhibited	45L	4	<p>Fusarium</p> <p>Without nanoe™ nanoe</p>																		
Adhered	Eurotium	99.9% inhibited	45L	8	<p>Eurotium</p> <p>Without nanoe™ nanoe</p>																		

Adhered	Mucor	99.9% inhibited	45L	8	<p style="text-align: center;">Mucor</p> 
Adhered	Stachybotrys	99.9% inhibited	45L	8	<p style="text-align: center;">Stachybotrys</p> 
Adhered	Alternaria	99.9% inhibited	45L	16	<p style="text-align: center;">Alternaria</p> 

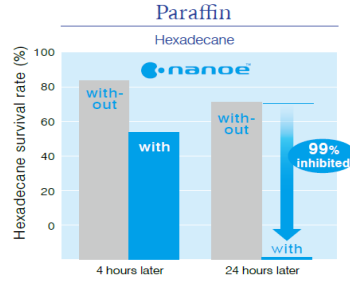
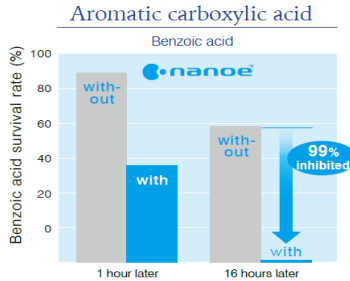
4. Neutralizowanie alergenów

Bacteria & viruses		Result	Capacity	Time (Hr.)
Mites	Dermatophagoides farinae	60% inhibited	Approx. 23m3	24
	Mite	98% inhibited	45L	2
Mould	Aspergillus (Aspergillus genus)	93.9% inhibited	45L	2
Animal	Dog (dander)	99.8% inhibited	45L	1
	Cat (dander)	98.6% inhibited	45L	2

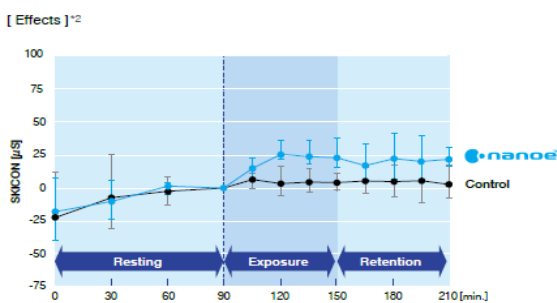
5. Neutralizowanie pyłów

Pollen	Result	Capacity	Time (Hr.)
Cedar	88% inhibited	Approx. 23m3	8
Cypress	Inhibited	Approx. 23m3	24
Orchard grass	Inhibited	Approx. 23m3	24
Ragweed	Inhibited	Approx. 23m3	24

6. Neutralizowanie niebezpiecznych substancji

Hazardous substances		Result	Capacity	Time	Graph
Pollutants	Paraffin (Hexadecane)	99% inhibited	Approx. 23m3	24	 <p>Paraffin Hexadecane</p> <p>Hexadecane survival rate (%)</p> <p>4 hours later 24 hours later</p>
	Aromatic carboxylic acid (Benzoic acid)	99.9% inhibited	Approx. 23m3	16	 <p>Aromatic carboxylic acid Benzoic acid</p> <p>Benzoic acid survival rate (%)</p> <p>1 hour later 16 hours later</p>

7. Efekt nawilżonej skóry

Skin and hair		Result	Capacity	Time (Hr.)	Graph
Skin	Effective	Effective	Approx. 46m3	1	 <p>[Effects]^{1/2}</p> <p>SMICOM [µS]</p> <p>Resting Exposure Retention</p> <p>0 30 60 90 120 150 180 210 [min.]</p>
	Effective	Effective	Standard household	28 days	

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