

## Absorbs and decomposes formaldehyde that causes sick building syndrome

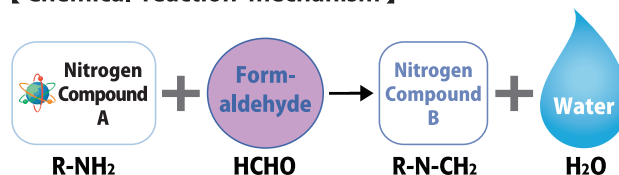
### Two deodorant effect gets rid of formaldehyde quickly and repeatedly.

By combining two different types of performances ( A and B ), a very powerful deodorant effect is produced.

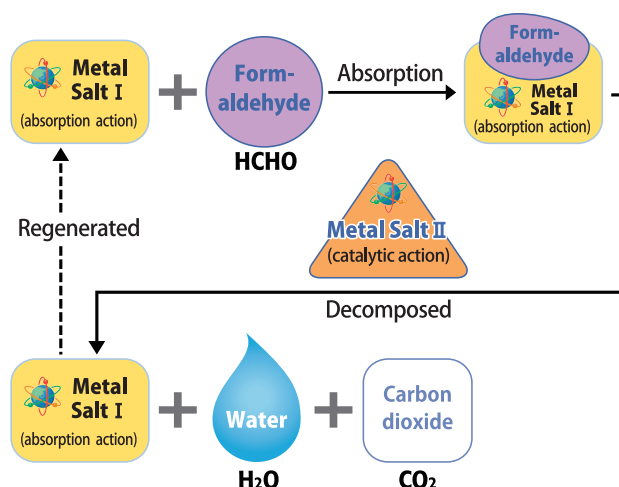
#### (A) Quick deodorizing by a chemical reaction

Formaldehyde combined with a special nitrogen compound is decomposed into safe, less harmful substances. This mechanism is a chemical reaction, and, with the use of reactive substances, it rapidly deodorizes formaldehyde and delivers excellent initial performance.

#### 【 Chemical reaction mechanism 】

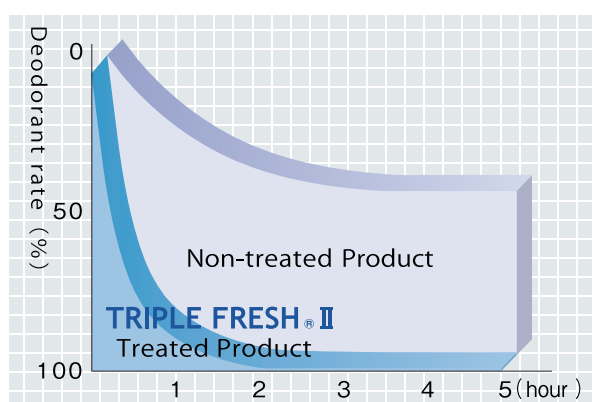


#### 【 Chemical absorption and decomposition mechanism 】



### 100% odor eliminating for approximately 2 hours

The following graph shows the measured result that Triple Fresh® II eliminates formaldehyde. It is verified that it absorbs the odor component from the beginning and completely decomposes it after approximately 2 hours. As the size of treated product is larger, the greater deodorant efficacy is retained.

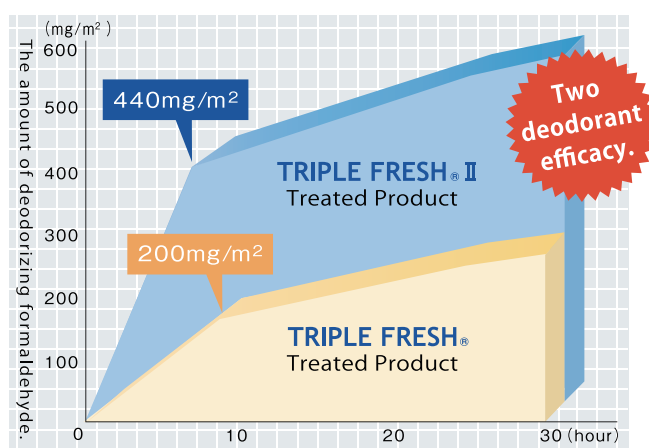


■ Deodorant effect against formaldehyde.

<The test method> Each 200cm<sup>2</sup> of Triple Fresh® II treated and non-treated carpet is put in the container of 500ml with the formaldehyde, and the variation per time of gas concentration in the container is measured using the detector tube.

### Doubled deodorant performance against Formaldehyde

As a result of the deodorant study, it is verified that the Triple Fresh® II performs 2.2 times greater deodorant efficacy in the measurement for 6 hours compared to the former Triple Fresh® and performs doubled deodorant efficacy afterward as being shown in the graph below.



■ The comparison of deodorant performance against formaldehyde.

<The test method> Each 100cm<sup>2</sup> of Triple Fresh® II treated and Triple Fresh® treated carpet is put in the container of 2L with formaldehyde and the variation per time of gas concentration in the container is measured using the detector tube.