



**ELEPHANT**  
Gypsum Board

# ELEPHANT PaperTouch



T-bar Ceiling Tiles Elephant PaperTouch I-on Clean

**NEW!**

**INNOVATION**  
for Quality Air



# ELEPHANT PaperTouch



## "T-bar Ceiling Tiles Elephant I-on Clean"

These ceiling tiles are specially formulated to emit negative ions upon contact with natural sun light or artificial light source. Negative ions help to improve indoor air quality by **reducing VOC (Volatile Organic Compounds), bacterial, and odour.**

**NEW!** The new "Solvent-free" formula **does not contain formaldehyde (a cancer-causing chemical)**. It is environmentally friendly, does not emit any pungent smell, and it is safe for the inhabitants.

## T-bar Ceiling Tiles Elephant PaperTouch I-on Clean Innovation for Quality Air

### Characteristics



Eliminates bacteria on the ceiling surface



Reduces VOC



Reduces odour caused by bacteria



Emits Negative Ions upon contact with natural or artificial light sources



Solvent-free formula



Reduce dust that spreaded in the air

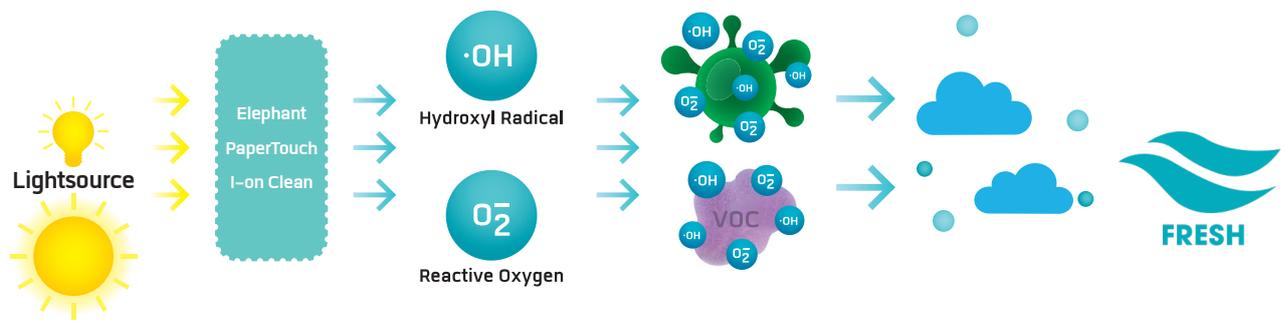


Negative ions promote fresher air

## T-bar ceiling tiles features

### Elephant PaperTouch I-on Clean

When light from a lamp or sunlight hits the surface of the T-Bar ceiling tiles, Paper Touch Elephant PaperTouch I-on Clean, negative ions will be released from the surface of the ceiling tiles. This will help with the dissolution of VOCs and provide anti-bacterial properties, which are the root cause of many diseases. It also aids in the purification of the air in the property and buildings.



The light reaction generates **negative clean ions.**

**Negative ions** bind to bacteria, which then decomposes VOCs and odours in the air and on surfaces.

## Negative Ion Clean features

- **Anti-bacteria;** The bacteria's surface cells bind to negative clean ions, forcing the cell to break. It is thought to kill microorganisms in the air and on ceiling surfaces.
- **Decompose particles of VOCs;** Negative clean ions bind to VOCs and convert them to a non-toxic substance.
- **Decompose the odour particles** Using negative clean ions, decompose the odour particles produced by organic substances.
- **Reduces the amount of dust** in the air by making airborne dust particles to agglomerate and fall to the ground, resulting in less dust in the atmosphere.
- **Refreshing;** According to the findings of a study published in a scientific journal, negative ions clean have numerous beneficial effects on the body.

## Certified standard for T-bar ceiling Elephant PaperTouch I-on Clean

- ✓ Tested for the ability to reduce the amount of VOCs in the air (formaldehyde), certified by the Thailand Institute of Scientific and Technological Research (Wor.), in accordance with ISO 18560-1 standard.
- ✓ Tested for bactericidal efficiency, certified by the Institute of Microbiology, Faculty of Science, Chulalongkorn University according to ISO 27447: 2009 standard.
- ✓ Tested for efficiency in reducing odor from organic substances, certified by King Mongkut's University of Technology Thonburi.

## Tips

**Did you know** the house you reside in could be riddled with toxins?

Odours

Bacteria

Sealant along the edge

Cigarette smoke

Chemicals from cleaning agents

## Dangers from VOCs

Pollution is everywhere, even inside the home. Formaldehyde is a toxin that can be found in any home. These toxic volatiles can be found in household items such as furniture and home accessories, as well as air pollution such as car exhaust pipes and various burns that may have slipped through the door and window. Long-term inhalation and accumulation of such toxins can have negative health consequences.



Eye irritation such as red, sore eyes



Inflammation of the respiratory tract, such as nasal burning and pneumonia. Furthermore, it can have a negative impact on various body systems or cause cancer.

## The advantages of Negative Ions



Relaxes and relieves stress



Strengthens the nervous system



Increase collagen strength



Helps to fall asleep easily



Helps reduce allergy symptoms and migraines



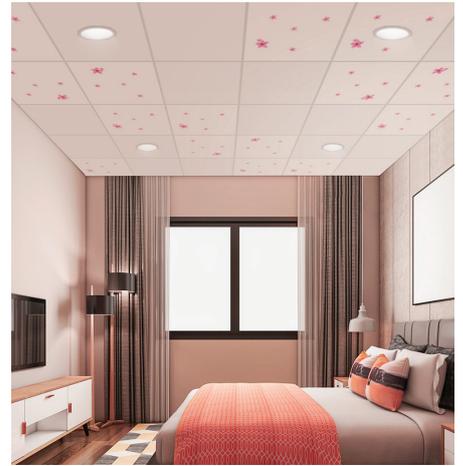
Boosts metabolism and the excretory system



Boosts immune system

**Remark :** Refer to the information and learn more information at [Green World Foundation, Institution of Food and Environmental Health](#).

You can completely transform your space with just a new T-bar ceiling tile.



Diamond Shine



Dok Kaew



I-Sawan



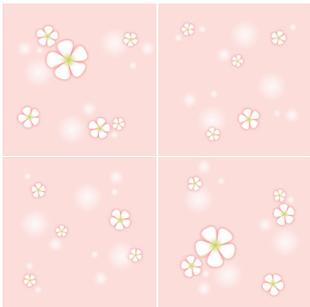
Baby Blossom



Phakamas

## Leelawadee

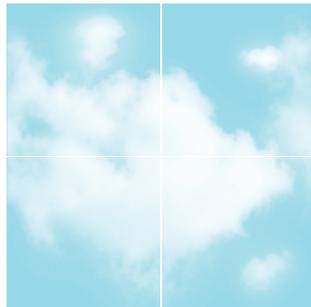
Sweet and floral—simply pretty



\*10 tiles/pack (mixed patterns)

## Bright Sky

Bright and calm



\*8 tiles/pack (2 sets of cloud pattern or mixed patterns)

## Shade Tree

Nature and relax



\*10 tiles/pack (2 sets of mixed patterns)

- Deflect-free
- Beautiful and durable
- Dust free and wipeable



## T-Bar Ceiling Tiles, Elephant PaperTouch I-on Clean Heat protection model\*

Helps to reduce heat from beneath the roof, and is suitable for the roof's ceiling or the upper attic.

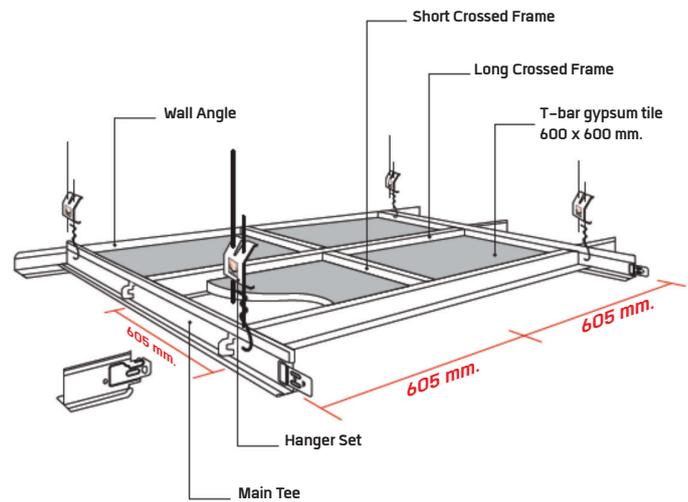
T-Bar Ceiling Tiles, Elephant PaperTouch I-on Clean, heat protection model\* can reflect up to 89% of heat radiation\*\* when compared to standard gypsum boards, helping in the reduction of heat build-up in your home or building. Product size 600x600x8 mm. application or installable with Elephant Gypsum ceiling system.

\* Only diamond white pattern

\*\* Thermal reflectance test results, certified by King Mongkut's University of Technology Thonburi

# Installation Instructions

1. Set the ceiling level
2. Install wall angle
3. Install hanger set
4. Install the main tee
5. Install the crossed frame
6. Install T-bar gypsum tiles



## Suggestion

The T-bar suspended ceiling system should be installed in the center of the room to ensure that the remnants of the ceiling tiles are even on all sides and to balance the alignment of lamps or other equipment, or as agreed upon.

## Appearance

Tile type	Edge	Size and thickness	Weight/tile	Weight/sq.m.	Fire Combustible
Standard	 Square	600x600x8 mm.	1.76 kg.	4.88 kg.	Non-combustible
HeatBloc (Reflects 89% heat radiation)*	 Square	600x600x8 mm.	1.76 kg.	4.90 kg.	Non-combustible

## The value and quality of T-Bar Ceiling Tiles, Elephant PaperTouch I-on Clean

Features	T-Bar Ceiling Tiles, Elephant PaperTouch I-on Clean	Frosted T bar sheet covered with a patterned plastic surface	Embossed Plasterboard Fiberboard
The property of negative clean ions.	<ul style="list-style-type: none"> <li>- Eliminate bacteria in the air and the surface.</li> <li>- Reduce pollution, reduce the amount of carcinogens (VOCs)</li> <li>- Reduce the musty odour caused by bacteria accumulation.</li> </ul>	Does not have the same properties as clean ions	Does not have the same properties as clean ions
The material is formaldehyde-free, no pungent smell	<ul style="list-style-type: none"> <li>- Water-based color print, free of formaldehyde, no pungent odor.</li> <li>- Promote resident safety and environmental friendliness.</li> </ul>	Does not have the same properties as clean ions	Does not have the same properties as clean ions
Deflect-free and durable	<ul style="list-style-type: none"> <li>- Gypsum board covered the front - back of the sheet with a new appearance.</li> <li>- Stronger, durable, and has a longer life span</li> </ul>	There is no deflection data.	<ul style="list-style-type: none"> <li>- Brittle and fragile</li> <li>- No deflection data</li> </ul>
Sheet surface characteristics	<ul style="list-style-type: none"> <li>- Smooth, wipe clean easily and completely</li> <li>- No dust falling</li> </ul>	Smooth, shiny skin because it is plastic	Embossing that is not dust-free and causes harm to the user or occupants.
Color, patterns, usage	<ul style="list-style-type: none"> <li>- White, bright, and beautiful, with a wide range of patterns to choose from.</li> </ul>	The color and pattern's life time usage is determined by the quality of the plastic. It could be crisp, and the surface could crack quickly.	Plain embossing, plain white or plain color

\* Test results for radiant reflection, certified by King Mongkut's University of Technology Thonburi



The Siam Gypsum Industry (Saraburi) Co., Ltd.

Pakin Building, 5<sup>th</sup> floor, 9 Ratchadapisek Road, Dindang, Bangkok 10400 Tel. : (+66) 2-555-0000



[www.usgboral.com/en\\_ex](http://www.usgboral.com/en_ex)