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# New construction material

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Teartop roofing or wall cladding  
roofing

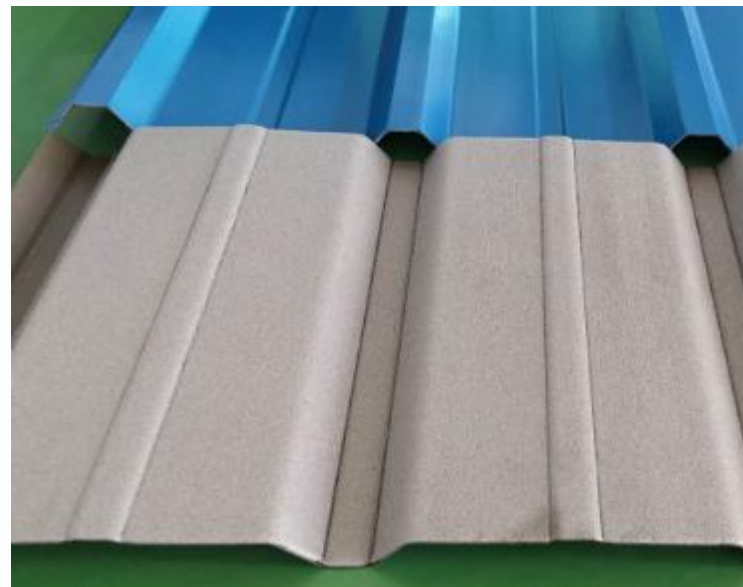


## What is teartop metal roofing sheet or cladding sheet?

- Anti-condensation roof tile is an anti-condensation material that combines a new type of needle-punched polyester fiber non-woven fabric and metal sheet after a special process. Our Zhongtuo machine combines condensation felt and metal materials through a special process to produce a new type of anti-condensation, heat insulation, noise reduction and corrosion resistance building materials, which can be applied to the construction of roofs and exterior walls. To a certain extent, it can replace thermal insulation materials, with a service life of 20 years, reducing engineering costs, and easy fire protection.



## Finished product show



## Main Function Introduction

- Easy to install, cost-saving, high water absorption
- Product value-added, versatile
- Easy to use
- Good technical support
- Effective corrosion
- Improved fire safety level
- Avoid the growth of mold
- Save money: Compared with traditional solutions, Up to 75%
- Save construction time: no need to install under the color steel plate
- Install thermal insulation materials, install and use directly at one time
- Easy handling

# Featuers

- **Metal roof sound absorber**

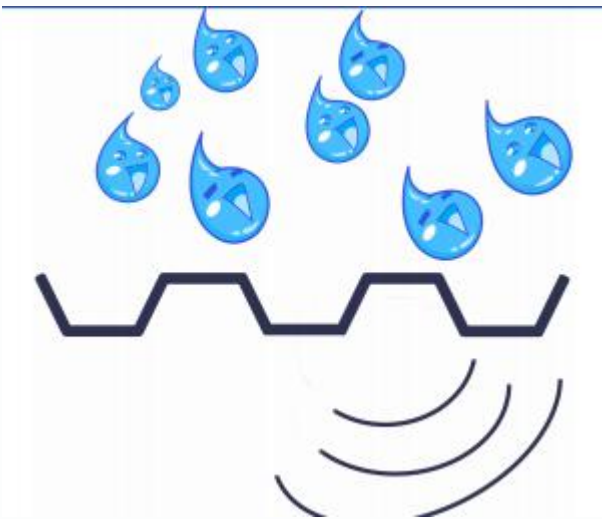
Relatively speaking, the noise caused by raindrops on the metal roof

The sound is much louder than the sound directly falling on the ground, and it will

Spread throughout the building and quickly spread indoors, because

This will directly affect the activities of people indoors.

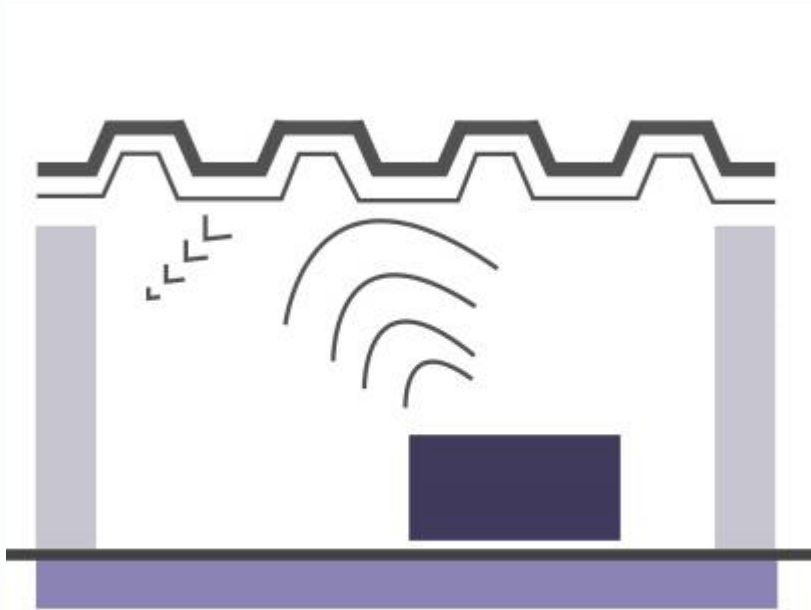
Mute King noise reduction felt as an insulating layer can effectively reduce raindrops noise.



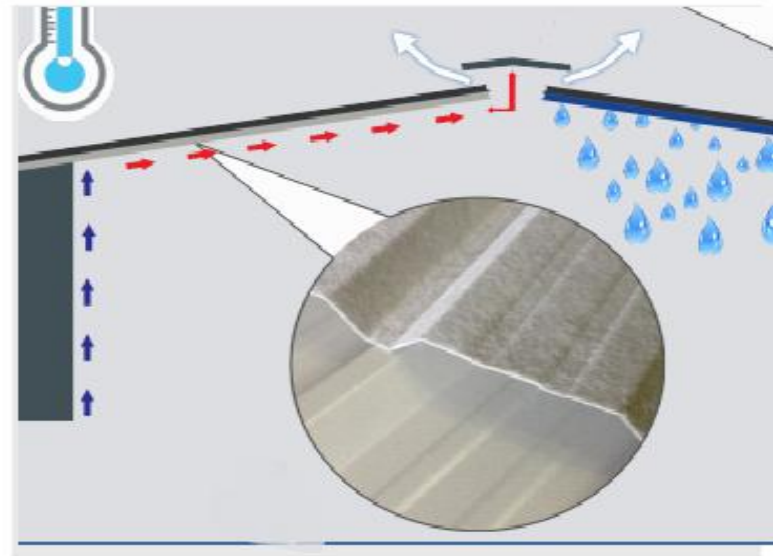
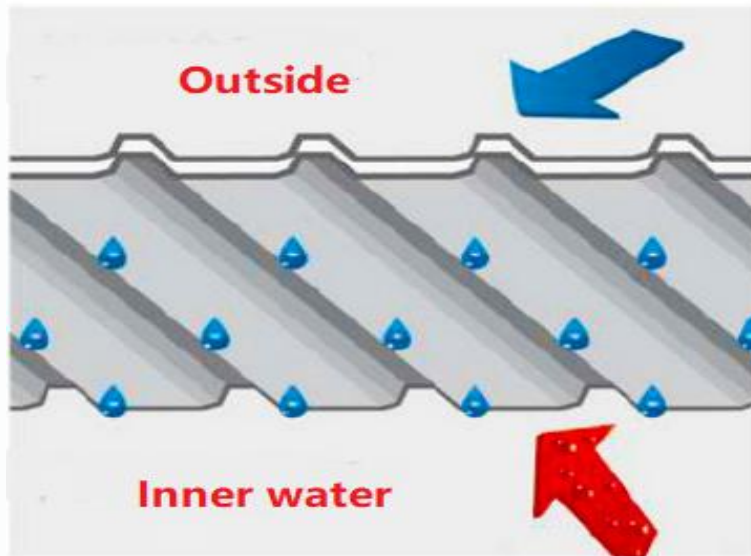
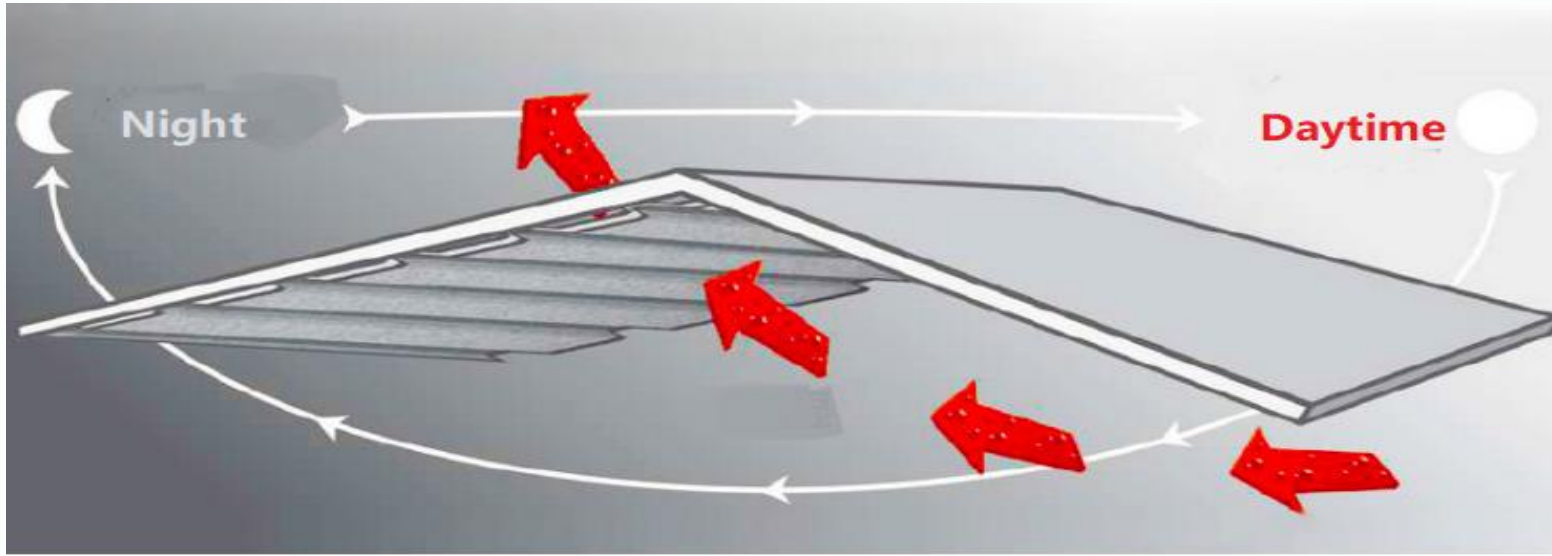
## Indoor sound absorber

Even in a 1000 Hz environment, Mute King reduces noise. The sound absorption function of felt can also be brought into full play. Therefore, in places with severe noise (e.g. metal and wooden shops Industry), it can play a great role in noise reduction and sound absorption. Due to the weak sound absorption and echo of metal, especially in

Engaging in noisy activities in closed metal structures, The noise will be much louder than it actually is. If combined with other sound-absorbing materials, the noise in the room and hallway. The sound can be minimized.



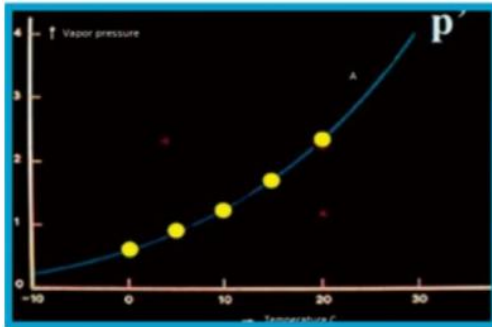
# Illustrataton



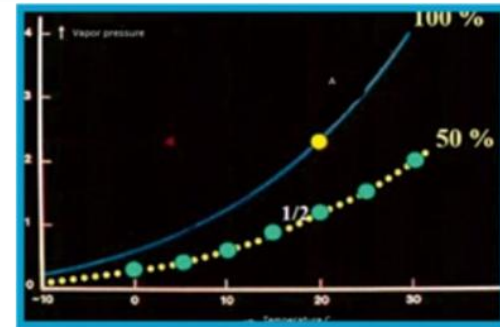


# Reasons of condensation

- The saturation point of water vapor in the air is determined by the temperature and pressure of the air. Condensation generally occurs when the temperature drops (after sunset). In a building with a non-insulated roof, the condensed water vapor will form drips. TearStop™ protects you from storing condensed water vapor, which evaporates and sends out water vapor when the temperature rises after sunrise.



A=maximum vapor pressure  
Maximum of vapor pressure in the air the function of the temperature

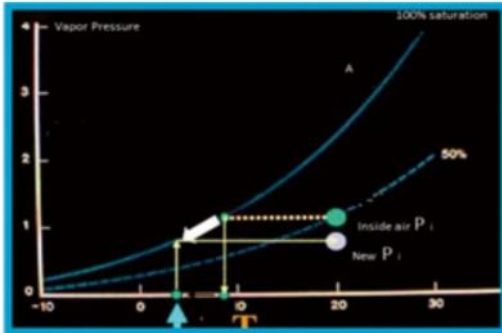


A=maximum vapor pressure  
As a percentage of the maximum humidity



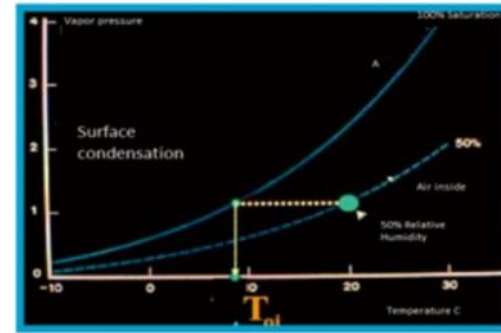
# Reasons of condensation

The colder the area, the greater the risk of condensation. Keep in mind that personnel activities in the building will also increase water vapor.



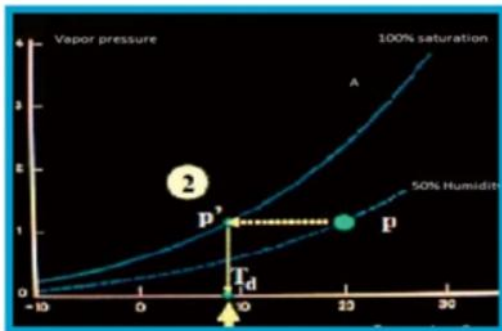
A=maximum vapor pressure  
Air in contact with the cold surface will cool down further

表面凝结与冷空气接触的空气会进一步冷却



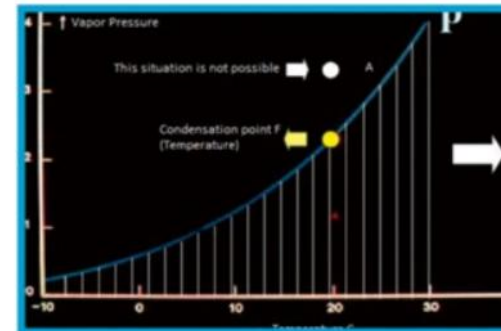
A=maximum vapor pressure  
Air in contact with a cold surface

表面凝结，空气接触冷面



A=maximum vapor pressure  
By lowering the the temperature air gets saturated

饱和度等压反应通过降低温度，空气就会饱和



冷凝=饱和的空气，凝结不可能的

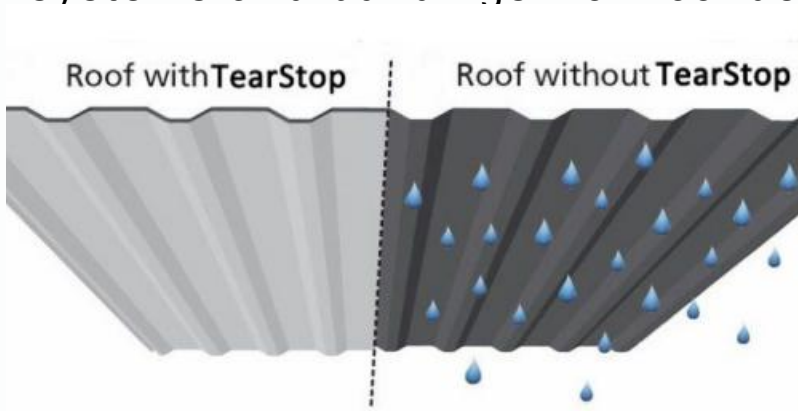
## What are the hazards of condensed water to building materials

- Causes of condensation, climate regions, and the impact of condensation on buildings As the temperature rises, water vapor also rises rapidly.



## Use before and after

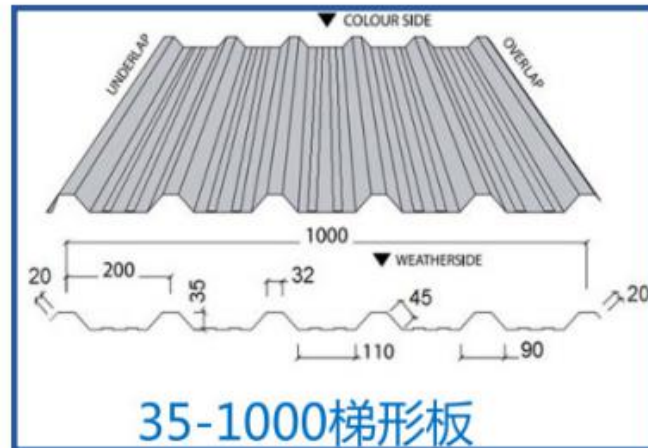
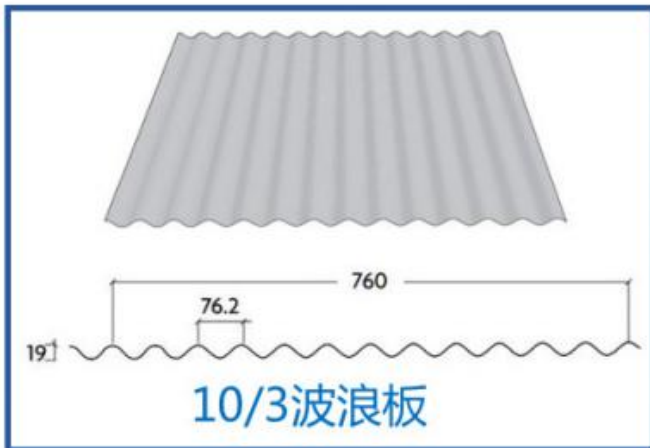
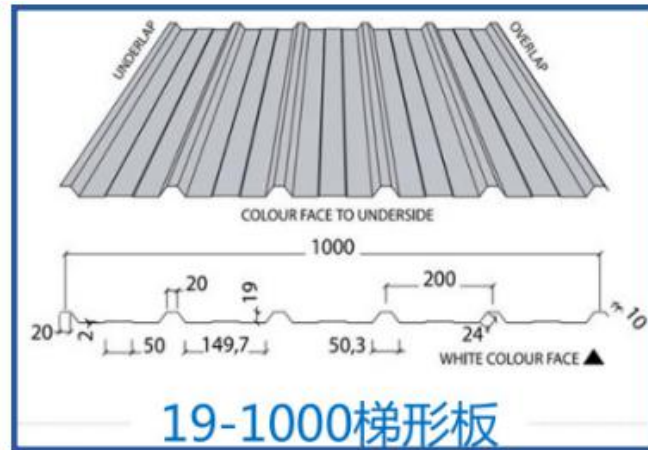
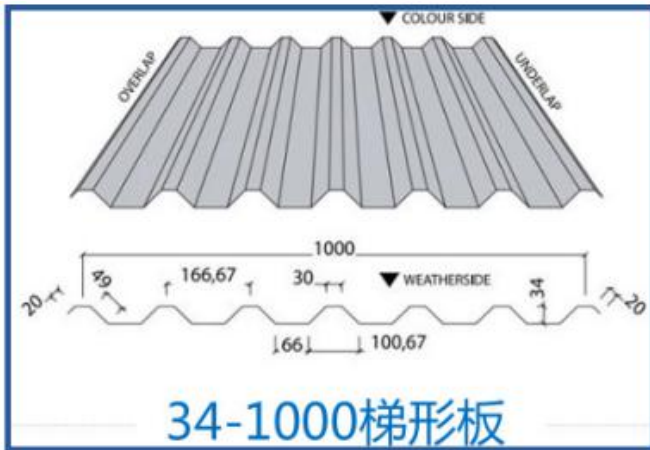
- Zhongtuo New Material is an economical and environmentally friendly anti-condensation solution.
- It can replace insulation panels and dehumidifiers to protect roof systems and buildings from condensation.



## Where to use

- The basic material of this new material is a specially made self-adhesive non-woven fabric, which is formed by laminating roll forming.
- The preparation is attached to the back of the steel plate, by absorbing the water generated by condensation and condensation on the inside of the steel roof, draining the water into the bottom of the slope, and evaporating the water in the non-woven fabric through natural ventilation, thereby replacing the insulation material (PU foam board, rock wool board, EPS, XPS, PIR).
- The building must have ventilation windows. Users can easily use fully automated equipment to cut, fit, roll, and attach this non-woven fabric to the roof steel plate.

# Example for roofing drawing or customize according to your own drawing





# Application for warehouse for Villa house



# Equipment for making teartop metal roofing sheet?

- Hot pressing machine, no any glue, only by heating, so perfect environmentally friendly





# Rolling forming machine by teartop metal roofing sheet or cladding sheet



## Range of supply of Zhongtuo Machiney

- New material in the form of coil with fliming.
- Roofing sheet after rolling forming.
- Machine for hot fliming two material together PPGI & FLIMING
- Machines for rolling forming. Make coil to desired roofing sheets or wall cladding .

- The end, if you need, contact us at:

Email: [cnzt02@zhongtuocn.com](mailto:cnzt02@zhongtuocn.com)

Tele:008615127755788