

Dealers wanted!



TearStop Building Material Co.,Ltd

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Anti Condensation Felt

Metal Building Condensation Control
TearStop Building Material Co.,Ltd



COMPANY VISION

**Committed to solving the
problem of condensed
water for steel structure
owners, become your
steel structure anti-
condensation expert!**

- ◆ **First in quality**
- ◆ **First in time**
- ◆ **First in price**
- ◆ **First in services**

COMPANY PROFILE

TearStop™ Building Materials Co., Ltd is one of the largest Anti Condensation Felt manufacturers in the world. Our main products are TEARSTOP anti-condensation felt, SilenceKing anti-rain noisy felt, High Speed Double deck Roll former with online 'Burn back' facility and the Customer applicator (coat felt on colour steel coil).

We are the only company that passed TUV Sud Testing on all range products from China. And launched ISO9001 Quality Control System. Now we send our products to EU and North American market regularly. We are looking forward to work for all our esteemed customers and partners.

Condensation is a major problem for single-layer metal roofing systems and often happened in Winter. Tearstop™ anti-condensation felt is a new type of building material. The base material is needle-punching polyester nonwoven fabric. After deeply processed, it's frameless, no smell, eco friendly, harmless to human, high strength, etc. The main features of Tearstop anti-condensation felt is Anti-condensation, Anti thermal, noise reduction and corrosion resistance.

The principle of Tearstop™ anti-condensation felt is to absorb indoor water vapor when the indoor temperature is higher than outdoor, and to discharge water vapor after the outdoor temperature rises, so as to adjust the indoor humidity and avoid the condensation water.

Widely used in high temperature and high humidity workshops, dry goods warehouses, food and drug production workshops so on that need high cleaning requirements, farms, stadiums, hangars and other metal roofing buildings. Also widely used in air conditioning heating system (HAVC), sink gutters, downpipes, metal security doors, garage shutter doors, metal furniture and other fields. It will become an indispensable new material.

Best quality, the best service, best credit. TearStop™ Building Materials Co., Ltd. does not forget the initial heart, and walks forward. Help large and medium-sized factories to solve condensation problems in factories, warehouses, markets, containers and other fields. We are willing to be your most reliable partner, Pay attention to every dripping water in your room.

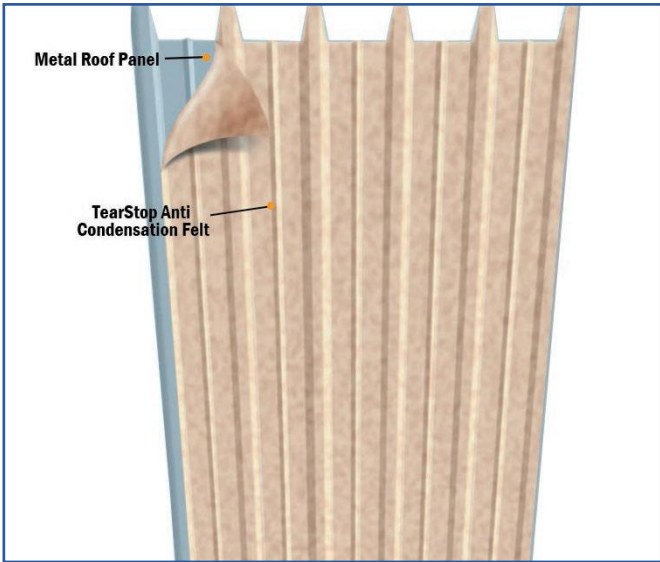
PRODUCT INTRODUCTION

TearStop Anti Condensation Felt

TearStop is a new type of needle punched polyester non-woven fabric,produced by amend processing and special technology.
From the production processing, the technical requirements of TearStop are much higher than the ordinary non-woven fabric.

New Material

TearStop anti condensation felt with its unique moisture absorption and breathability functions bring the vapor from the metal structure pass through the vent, thus effectively prolonging the service life of the building, preventing the condensation of water in the metal building, preventing the condensation, heat preservation, noise reduction, energy saving, and improving the living environment.
At the same time, it is used in the fields of gutter, HAVC venting system, garage door, metal furniture and so on according to the anti mite, mould, bacteria, heat preservation and noise reduction of TearStop felt.



Applicator

Parameter Sheet

TS600C 110g



PROPERTY		TESTING METHOD UNIT			VALUE
Composition					PE/synthetic rubber
Treatment					selfadhesive
Special characteristic					water absorption
Weight	EN 29073-1	g/m ²	±10%	110	
Thickness	EN ISO 9073-2	mm		<1	
Water absorption			0°	1000*1	
Water absorption	DIN 53923	g/100cm ²	45°	800*1	
Water absorption			90°	600*1	
Flammability	EN 13501-1				A2-s1,do*1
Strength at break	MD	ISO 9073-3:1989	N/5mm	144.7	
	CD		N/5mm	108.9	
Elongation at break	MD	ISO 9073-3:1989	%	53.5	
	CD		%	83	
Peel adhesion MD		N/25mm	min	10*1	
Adhesion after ageing-MD		N/25mm		improved	
Sound absorbtion	EN ISO 354	Hz	125Hz	0.02	
			500Hz	0.04	
			1000Hz	0.04	
			2000Hz	0.12	
			4000Hz	0.42	
Rainfall noise sound in sulationISO 140-18		dB		71*2	
				69*1	
				2	
Thermal conductivity(λ)	DIN 52612	W/mK		0.038	
Bactria resistance	DIN EN 14119				Index 0-No visible growth under the microscope-50x
Colour					milk white
Width		mm	max	1500	
Crad pipe		mm		76	

*1- Felt on metal sheet
*2- Metal sheet

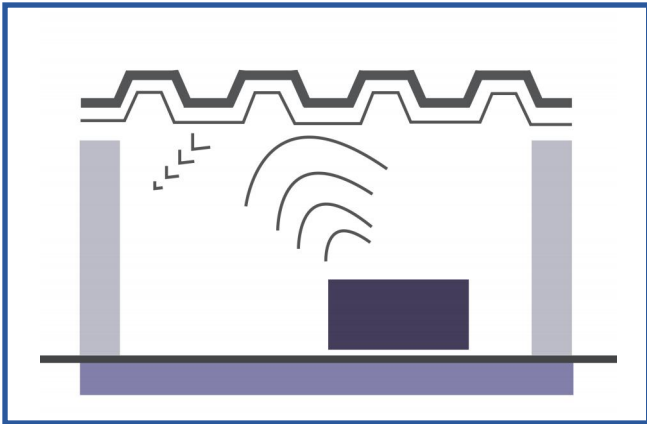
SILENCE KING



RAINFALL NOISE REDUCTION

The noise of raindrops falling on a metal roof is incomparably bigger than the noise caused by raindrops falling on clay tiles. Therefore it is disturbing for people and their activities inside the building .

The noise caused by raindrops falling on the metal roof surface spreads .Throughout the metal construction and finds its way into the room.SilenceKing Felt work as an insulation layer for the rainfall noise.

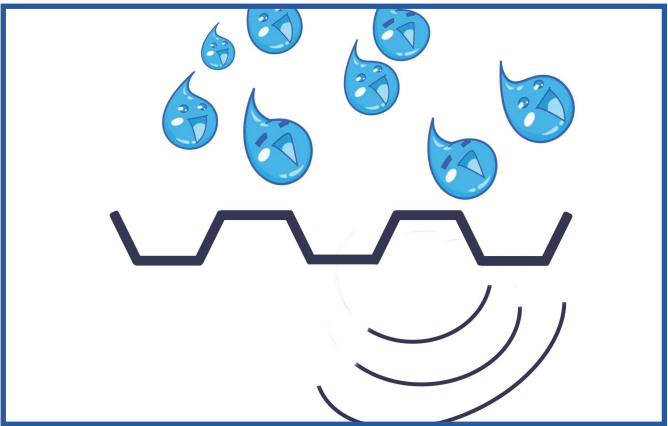


SK T200/T300

SILENCEKING

SilenceKing felt is a self-adhesive acoustic absorber that was developed for metal constructions. It reduces the rainfall noise and offers a maximum broad-band sound absorption inside the room.

SilenceKing felt is so effective because of its porous structure which assures high acoustic performance.



ABSORB INDOOR NOISE

The sound absorption of SilenceKing Felt reaches the highest values where the frequency is above 1000Hz.Therefore it is particularly effective in rooms where impulsive noise takes place (metal and wooden industry). In combination with other acoustic materials it can be very effective also in rooms and halls for other purposes.

Particularly problematic are noisy activities in dosed metal constructions, where sound intensity amplifies significantly.This is because of poor sound absorption capability of metal sheets, which causes an echo in a room.

Silencking SK T200 Technology Standard

PARAMETER	STANDARD/ NORM	ENOTA/UNIT /EINHEIT	Δ	VREDNOST/VALU /WERT
Weight-fell (100% PET)	EN 29073-1	g/m²	±10%	200
Thickness	EN 29073-2	mm	/	3-4
Combust ability	EN 13501-1	B-s1 , d0	/	/
Tear strength	FTM I 180°	N/25mm	Min	10
Tear strength after aging	Internal regulation FD15	N/25mm	/	improved
Water Absorption	Internal regulation FD15	g/m²	0°•²	>2500
Rainfall noise sound insulation	EN ISO 140-18	dB		$L_{IA} 71^{*3}$ $\Delta L_{IA} 65^{*4}$ 6
Sound absorption	EN ISO 354	at	125Hz 250Hz 500Hz 1000Hz 2000Hz 4000Hz	0.13 0.27 0.21 0.32 0.47 0.54

Color		Light-gray melange	
Max.Width	mm		1500
Ø Card pipe	mm		76
Packing		PE FOIL	



PROPRIETARY EQUIPMENT

Double Deck Roll Former Machine



Ribbon Flame Burner



Flame Furnace



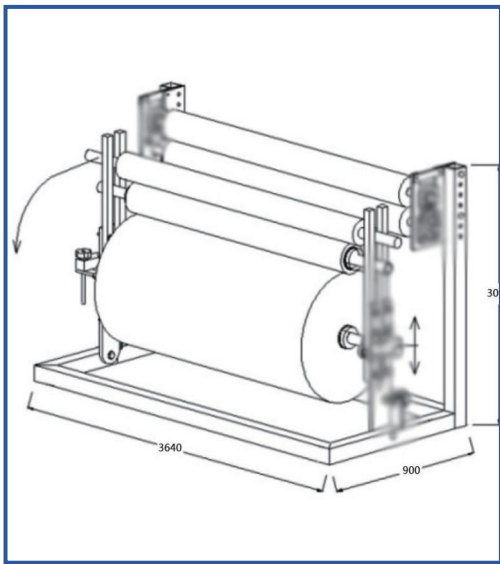
Burn Back Renderings Show



Applicator



Schematic Diagram



TearStop has invested in research and development of various models with advantages of easy to use, improved productivity, reduced production costs. They are light in weight, reasonable in design, constantly updated and improved, highly praised by light steel builders and product merchants.

APPLICATION

TearStop™ Condensation Felt



TearStop Anti Condensation Felt

Reduce condensation
water, heat preservation

20 Years
Maintenance free

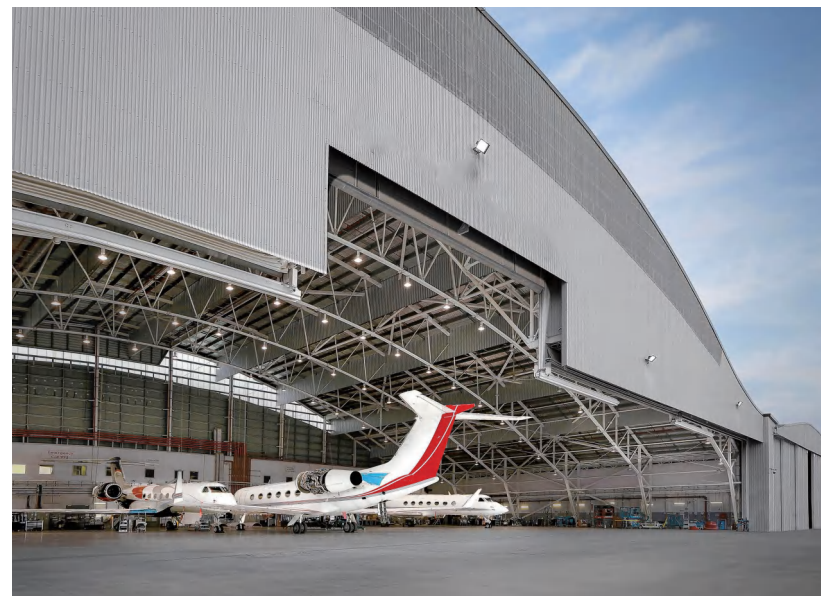


Dry Goods Warehouse

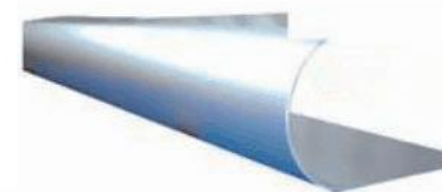
**Temperature And
Humidity Warehouse**



Aircraft Hangar



Farm



**Flap/Gutter/
Sink/Downpipe**

PRODUCT ADVANTAGES

Compare With Traditional Insulation Material

Traditional Insulation Material

- Expensive, complicated to install
- Need regular maintenance or even replacement, need to cost Extra time and effort
- Easy to absorb the moisture in the air, causing the material to be swelled, easily lead to shedding, breeding mold, and the heat preservation effect is decreasing year by year.
- Not environment friendly during the production and construction which will damage the health of construction workers and cause pollution to the surrounding environment.

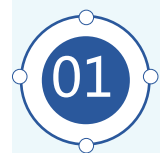


Anti Condensation Felt

- Easy to clean, can be completed with-pressure water cleaning, 20 years of free maintenance.
- All automatic production, one-time installation.
- Avoid mold growth, moistureproof, anti damp.
- No pollution during the production and construction, no damage to the health of construction workers, and no damage to the surrounding environment.

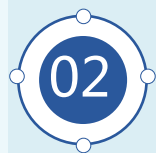


PRODUCT CHARACTERISTICS



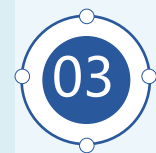
Strong Moisture Absorption

110g base materials absorb 700g moisture



High Fire Resistance

Flammability rating A2



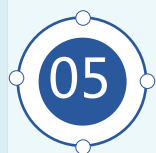
High Tensile Strength

Withstand hundreds of kilograms of pulling force compared with same gram weight of non-woven materia



Eco-friendly Materials

Environmental protection



Self-Sticking

Hot melt flame retardant, eco-friendly adhesive in viscosity and odorless



Noise Reduction

Rain-noise reduction

COMPETITIVE ADVANTAGES

- No need to install insulation materials
- One-time installation
- Compared with traditional insulation materials save about 70%

For Construction Companies



For Consumers

For Roll Forming Manufacturers

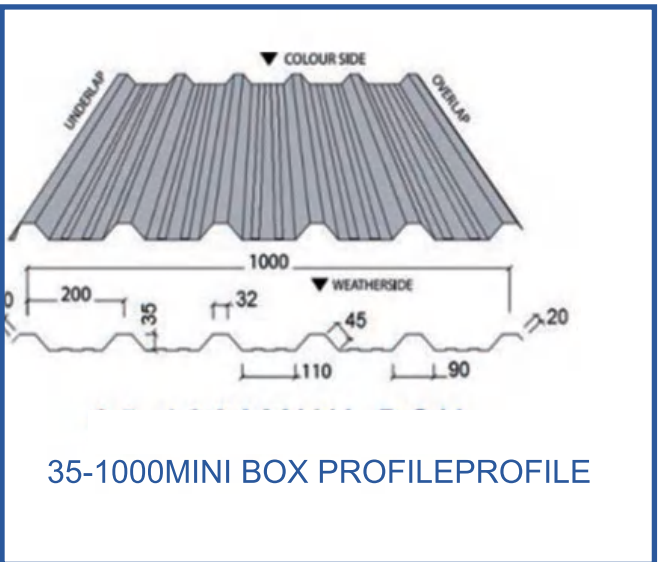
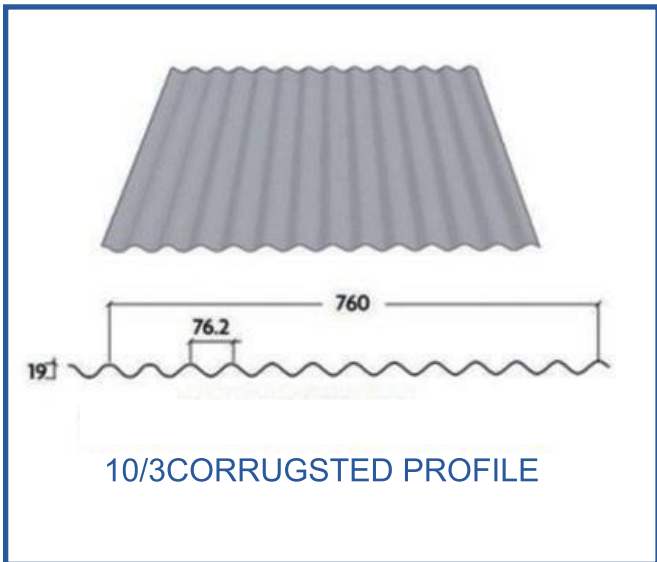
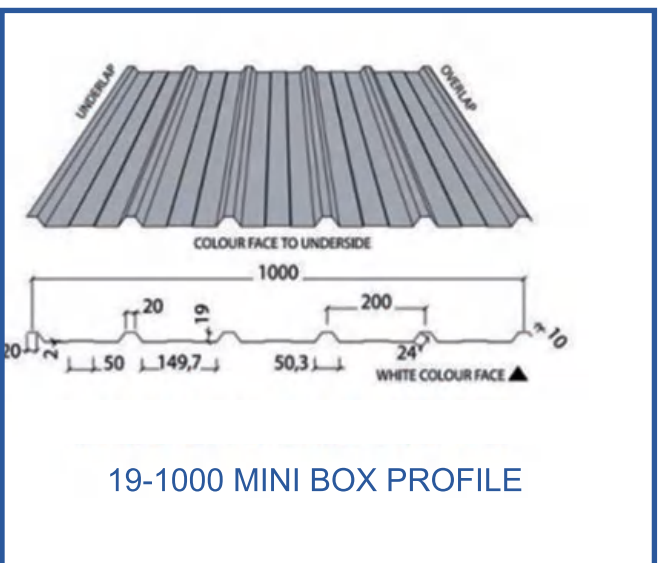
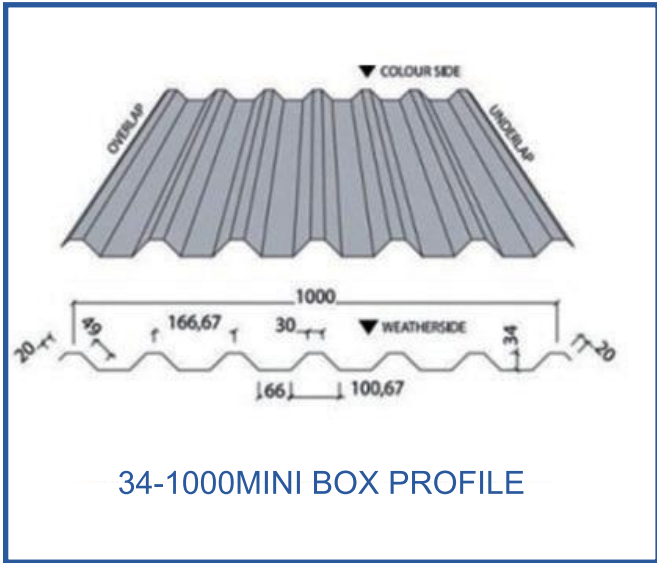
- Effective corrosion resistance
- Flame retardant grade A2
- Avoid mold growth
- Eco-friendlyNew technology
- Save 70% over traditional methods
- 20 years free maintenance

- Existing equipment does not need to be replaced
- Add product value ,Wide range of uses
- Good technical support

PRODUCT APPLICATION

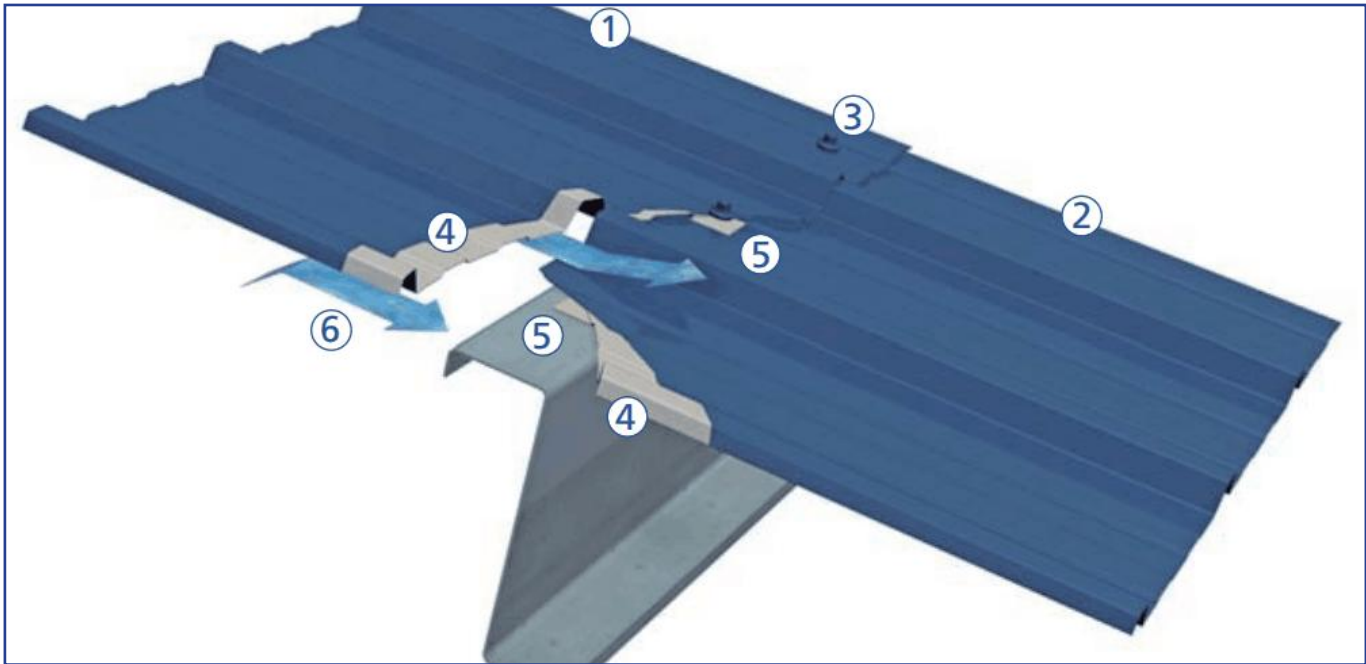
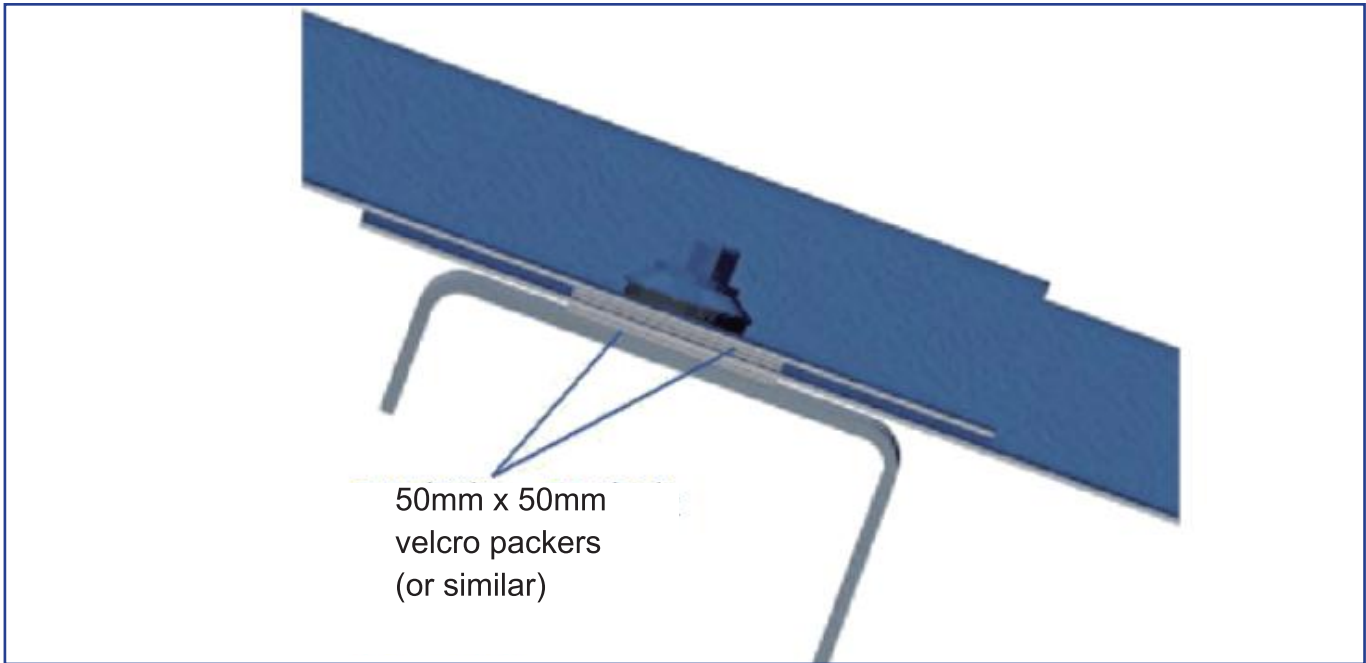
TearStop Anti-condensation felt's base material is specially made of self-adhesive and non-woven fabric, which is laminated and rolled to fit on the back of the steel plate to absorb moisture due to condensation on the inside of the steel roof.

The water is discharged into the bottom of the slope and the water in the non-woven fabric is evaporated by natural ventilation to replace the insulation material (PU Foam board, rock wool board, EPS, XPS, PIR).The building must have ventilation windows. Users can easily cut, fit, rolling and fully automate attaching this kind of non-woven fabric to the roof of the steel plate.



The above is a reference version, which can be applied to any plate type in principle.

INSTALLATION METHOD



- 01 Profiled top sheet
- 02 Profiled lower sheet
- 03 Fixing screw
- 04 Drain Dripstop fleece
- 05 Fixing screw
- 06 Condensation



OUR HONOR



TUV TEST REPORT

(Fire Prevention, Tensile Force, Water Absorption Test)

Report No. TC.16.02.000218
Date of Issue 02/18/2016

	1	2	3	Average
FCR ₁₀₀₀ (min)	4.5	4.7	4.3	4.5
FCR ₁₀₀₀ (max)	11.5	12.1	10.4	11.3
FCR ₁₀₀₀ (avg)	8.0	8.9	7.3	8.1
FCR ₁₀₀₀ (std)	3.5	3.7	1.5	2.9
FCR ₁₀₀₀ (std)	0.7	1.2	0.8	0.9
FCR ₁₀₀₀ (std)	0.7	1.2	0.8	0.9

Additional classification: A1, A2, A3 for smoke production

Additional classification: A1, A2, A3 for smoke production

Report No. TC.16.02.000218
Date of Issue 02/18/2016

Statement: The test results relate to the behavior of the test specimen of a product under the particular conditions of the test. They are not intended to be used as evidence for assessing the general safety and security of the product.

Classified by: [Signature]
Classified by: [Signature]

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Test Results

Test Results

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1. Water absorption

Test item	Result
Water absorption 17	110g/m ²
Water absorption 27	80g/m ²
Water absorption 37	87g/m ²

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2. Tensile test

Test item	Result
Strength at break	108.7N
Elongation at break	108.9%
Strength at break	108.7N
Elongation at break	108.9%

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Date : May 6, 2015
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Test Results

Test Results

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Test Results

Test Results

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Test Results

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Test Results

TearStop
Metal Building Condensation Control