

# TRASPIR METAL

## 3D MATS FOR METAL ROOFS

### CERTIFIED ACOUSTIC INSULATION

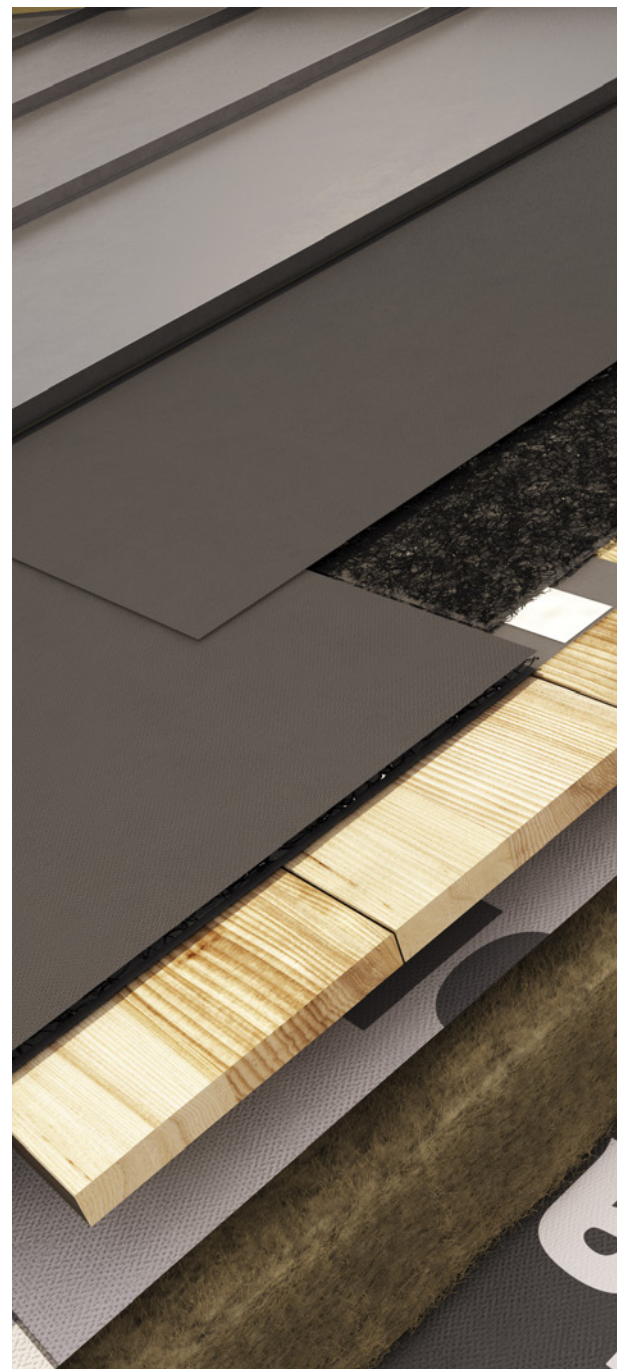
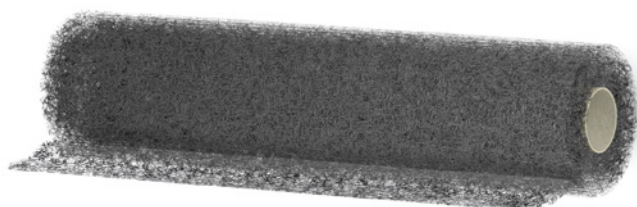
Acoustic attenuation and reduction of noise from rainfall certified by the Istituto Giordano. (page 19)

### COMPLETE RANGE

Available with lower breathable impermeable membrane and with upper TNT draining layer.

### SMART

The top felt prevents impurities from getting into the mat and improves resistance to treading, preventing water stagnation.



## CODES AND DIMENSIONS **NEW**

code	tape	g/m <sup>2</sup>	H x L [m]	A [m <sup>2</sup> ]	pcs. / b
TTTMET610	TT	610	1,35 x 33	44,5	4
NET350	-	350	1,25 x 50	62,5	4



### < DURABILITY

Installed on continuous support it improves the micro-ventilation of metal roofs, impeding corrosion.

### MATERIAL

Highly breathable membrane paired with a 3D mat and protective felt.

## TECHNICAL SPECIFICATIONS

Property	Standard	TRASPIR 3D COAT 610 TT [TTTNET610]	3D NET [NET350]
Mass per unit area	EN 1849-2	610 (350) g/m <sup>2</sup>	350 g/m <sup>2</sup>
Thickness	EN 9863-1	8.5 mm	7.5 mm
Straightness	EN 1848-2	conforming	-
Water vapour transmission (Sd)	EN 1931 EN ISO 12572	0.02 m	-
Maximum tensile force MD/CD	EN 12311-1	325 / 225 N/50 mm	-
Elongation MD/CD	EN 12311-1	45 / 70 %	-
Resistance to tearing MD/CD	EN 12310-1	185 / 195 N	-
Maximum tensile force MD/CD NET	EN 12311-1	-	55 / 25 N/50 mm
Elongation MD/CD NET	EN 12311-1	-	> 40 / 40 %
Watertightness	EN 1928	class W1	-
Water column	EN 20811	> 250 cm	-
UV resistance *	EN 13859-1	3 months	3 months
Temperature resistance	-	-30 / +80 °C	-30 / +90 °C
Reaction to fire	EN 13501-1	class E	class E
Resistance to penetration of air	EN 12114	< 0.02 m <sup>3</sup> /m <sup>2</sup> h50Pa	-
After ageing:			
maximum tensile force MD/CD	EN 13859-1	285 / 195 N/50 mm	-
watertightness	EN 13859-1	class W1	-
elongation MD/CD	EN 13859-1	35 / 30 %	-
Flexibility at low temperature	EN 1109	-30 °C	-
Dimensional stability	EN 1107-2	< 2 %	-
Thermal conductivity (λ)	-	0.3 W/mK	-
Specific heat	-	1800 J/kgK	-
Density	-	approx. 70 kg/m <sup>3</sup>	approx. 40 kg/m <sup>3</sup>
Water vapour resistance factor (μ)	-	approx. 33	-
Recommended installation pitch	-	> 5°	> 5°
Void ratio	-	95 %	95 %
Impact sound attenuation index ΔLw	UNI EN ISO 140-8:1999	28 (-3;+3) dB	28 (-3;+3) dB
Sound insulation power assessment index Rw	UNI EN ISO 10140-2:2010 UNI EN ISO 717-1:2013	approx. 1 dB	approx. 1 dB
Variation in global level of weighted sound intensity A from driving rain noise LiA	UNI EN ISO 140-18:2007	approx. 4 dB	approx. 4 dB
VOC emissions	-	< 0.02 % (class A+)	< 0.02 % (class A+)

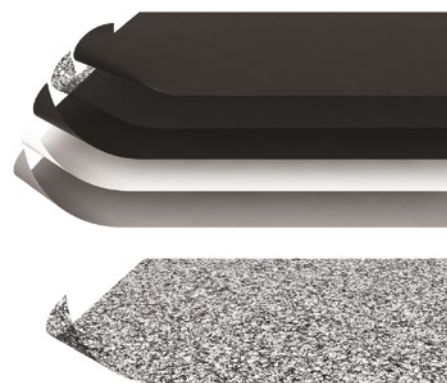
## COMPOSITION

### TRASPIR 3D COAT 610 TT

protective layer:	PP non-woven fabric
surface:	3D PP mat 350 g/m <sup>2</sup>
upper layer:	PP non-woven fabric
reinforcement:	breathable PP film
lower layer:	PP non-woven fabric

### 3D NET

3D PP mat



NOTES: For more information, consult "MEMBRANES AND TAPES FOR WOODEN BUILDINGS"