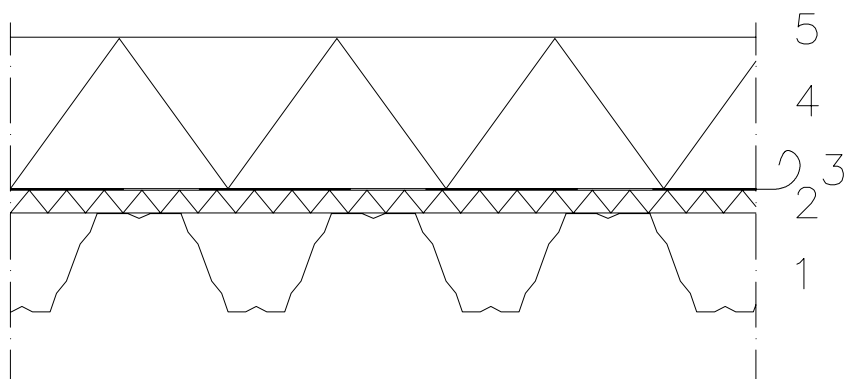




Contents of drawing

T130M 3/15 - Mineral wool
Structural section
Absorption values

Date 12.12.2024	Rev. date .	Work nr. .	Drw. nr. 01	Rev. .
Drawn by Ruukki	Rev. ..			
Scale :	Building		File nr. .	

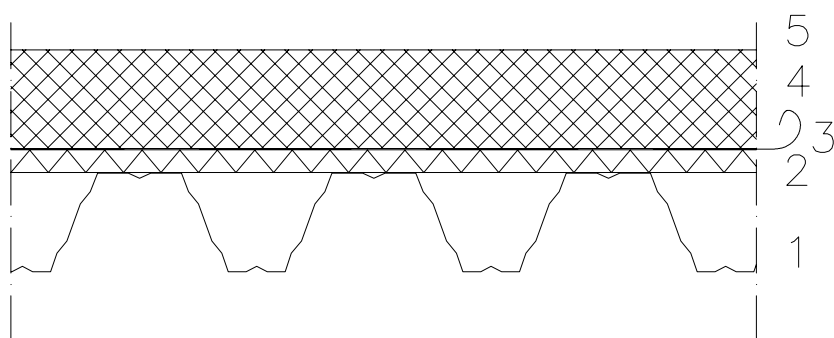


1. T130M (web perforated 3mm/15%)
2. Absorption layer: Mineral wool 30 mm, density $> 120 \text{ kg/m}^3$
3. Vapor barrier, e.g. PE, $t = 0,2 \text{ mm}$
4. Mineral wool 130...400 mm, density $> 70 \text{ kg/m}^3$
5. Upper layers and roof membrane according to project

Sound absorption coefficients:

Frequency	α_p
125	0,70
250	0,85
500	0,90
1000	0,40
2000	0,30
4000	0,25
α_w	0,35
Class	D

Date 12.12.2024	Rev. date .	Work nr. .	Drw. nr. 02	Rev. .
Drawn by Ruukki	Rev. ..			
Scale :	Building		File nr. .	



1. T130M (web perforated 3mm/15%)
2. Absorption layer: Mineral wool 30 mm, density $> 120 \text{ kg/m}^3$
3. Vapor barrier, e.g. PE, $t = 0,2 \text{ mm}$
4. PIR insulation 130...220 mm, density $30...40 \text{ kg/m}^3$
5. Upper layers and roof membrane according to project

Sound absorption coefficients:

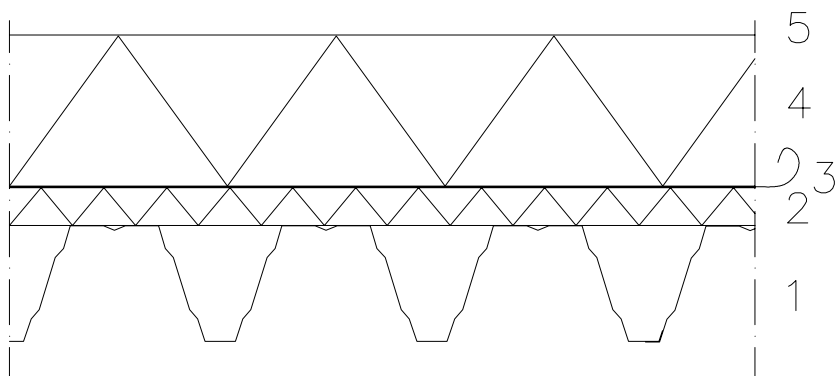
Frequency	α_p
125	0,40
250	0,70
500	0,80
1000	0,40
2000	0,30
4000	0,25
α_w	0,30
Class	D



Contents of drawing

T153AcuB 4/30 - Mineral wool
Structural section
Absorption values

Date 12.12.2024	Rev. date .	Work nr. .	Drw. nr. 03	Rev. .
Drawn by Ruukki	Rev. ..			
Scale :	Building		File nr. .	



1. T153AcuB (web and flange perforated 4mm/30%)
2. Absorption layer: Mineral wool 30/50 mm, density $> 120 \text{ kg/m}^3$
3. Vapor barrier, e.g. PE, $t = 0,2 \text{ mm}$
4. Mineral wool 130...400 mm, density $> 70 \text{ kg/m}^3$
5. Upper layers and roof membrane according to project

Sound absorption coefficients:

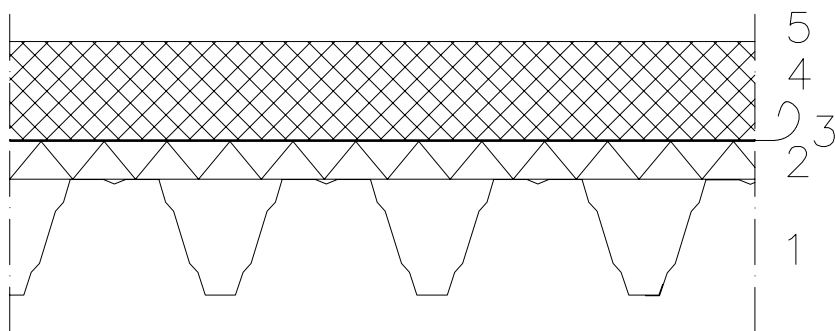
	Absorption layer thickness	
	30 mm	50 mm
Frequency	α_p	α_p
125	0,60	0,80
250	0,75	0,90
500	0,85	0,90
1000	0,75	0,80
2000	0,75	0,75
4000	0,70	0,65
α_w	0,80	0,80
Class	B	B



Contents of drawing

T153AcuB 4/30 - PIR
Structural section
Absorption values

Date 12.12.2024	Rev. date .	Work nr. .	Drw. nr. 04	Rev. .
Drawn by Ruukki	Rev. ..			
Scale :	Building		File nr. .	

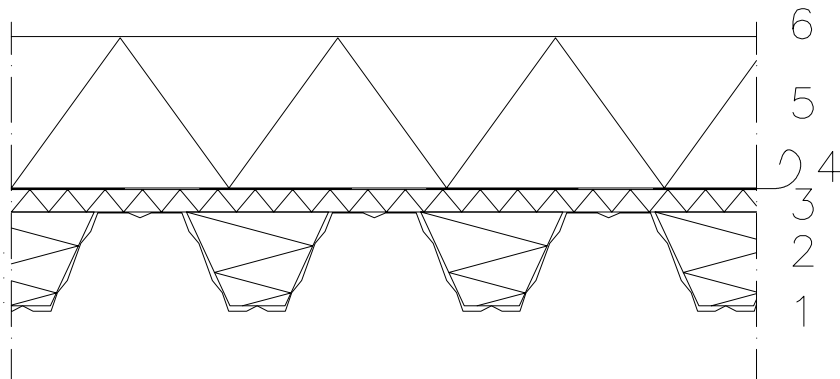


1. T153AcuB (web and flange perforated 4mm/30%)
2. Absorption layer: Mineral wool 30/50 mm, density $> 120 \text{ kg/m}^3$
3. Vapor barrier, e.g. PE, $t = 0,2 \text{ mm}$
4. PIR insulation 130...220 mm, density 30...40 kg/m^3
5. Upper layers and roof membrane according to project

Sound absorption coefficients:

	Absorption layer thickness	
	30 mm	50 mm
Frequency	α_p	α_p
125	0,15	0,35
250	0,55	1,00
500	0,90	0,95
1000	0,75	0,80
2000	0,75	0,75
4000	0,70	0,70
α_w	0,75	0,80
Class	C	B

Date 12.12.2024	Rev. date .	Work nr. .	Drw. nr. 05	Rev. .
Drawn by Ruukki	Rev. ..			
Scale :	Building		File nr. .	

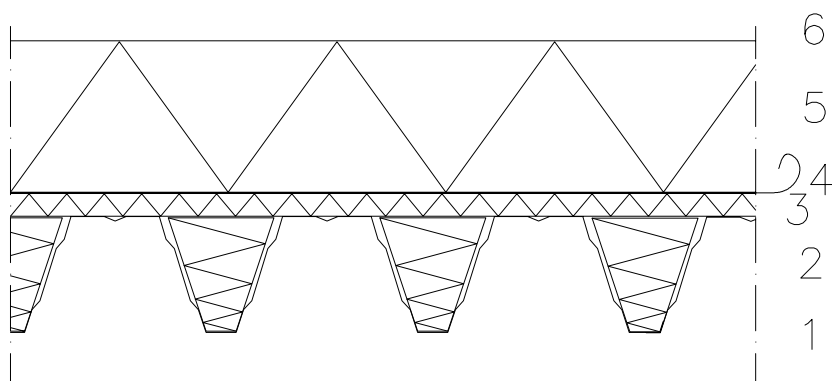


1. T130M (web perforated 3mm/15%)
2. Dust proofed acoustic infill, mineral wool, filling the groove, density 120...150 kg/m³
3. Absorption layer: Mineral wool 30 mm, density > 120 kg/m³
4. Vapor barrier, e.g. PE, t= 0,2 mm
5. Mineral wool 130...400 mm, density > 70 kg/m³
6. Upper layers and roof membrane according to project

Sound absorption coefficients:

Frequency	α_p
125	0,95
250	1,00
500	1,00
1000	0,60
2000	0,40
4000	0,35
α_w	0,45
Class	D

Date 12.12.2024	Rev. date .	Work nr. .	Drw. nr. 06	Rev. .
Drawn by Ruukki	Rev. ..			
Scale :	Building		File nr. .	

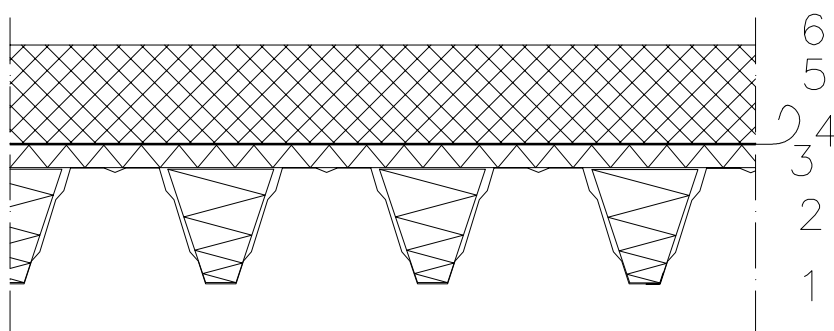


1. T153AcuB (web and flange perforated 4mm/30%)
2. Dust proofed acoustic infill, mineral wool, filling the groove, density 120...150 kg/m³
3. Absorption layer: Mineral wool 30 mm, density > 120 kg/m³
4. Vapor barrier, e.g. PE, t= 0,2 mm
5. Mineral wool 130...400 mm, density > 70 kg/m³
6. Upper layers and roof membrane according to project

Sound absorption coefficients:

Frequency	α_p
125	0,95
250	1,00
500	1,00
1000	0,95
2000	0,90
4000	0,75
α_w	0,90
Class	A

Date 12.12.2024	Rev. date .	Work nr. .	Drw. nr. 07	Rev. .
Drawn by Ruukki	Rev. ..			
Scale :	Building		File nr. .	

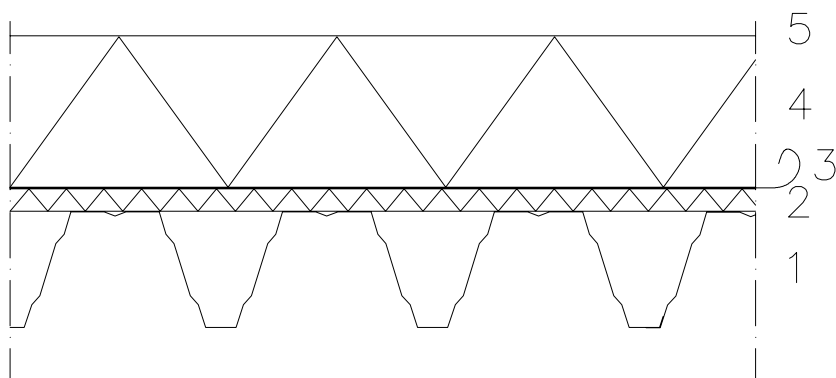


1. T153AcuB (web and flange perforated 4mm/30%)
2. Dust proofed acoustic infill, mineral wool, filling the groove, density 120...150 kg/m³
3. Absorption layer: Mineral wool 30 mm, density > 120 kg/m³
4. Vapor barrier, e.g. PE, t= 0,2 mm
5. PIR insulation 130...220 mm, density 30...40 kg/m³
6. Upper layers and roof membrane according to project

Sound absorption coefficients:

Frequency	α_p
125	0,55
250	1,00
500	1,00
1000	0,95
2000	0,90
4000	0,75
α_w	0,90
Class	A

Date 12.12.2024	Rev. date .	Work nr. .	Drw. nr. 08	Rev. .
Drawn by Ruukki	Rev. ..			
Scale :	Building		File nr. .	

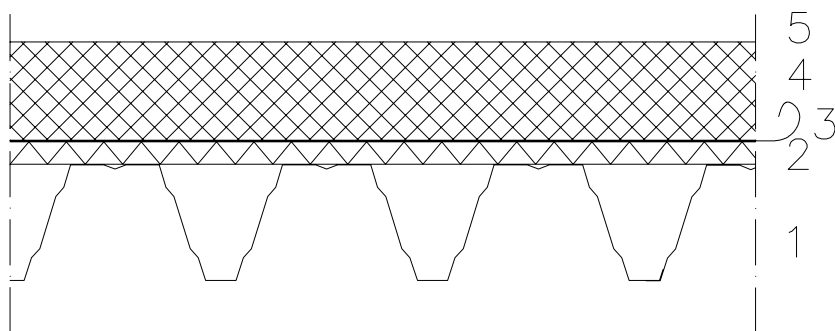


1. T153 (web perforated 3mm/15%)
2. Absorption layer: Mineral wool 30 mm, density $> 120 \text{ kg/m}^3$
3. Vapor barrier, e.g. PE, $t = 0,2 \text{ mm}$
4. Mineral wool 130...400 mm, density $> 70 \text{ kg/m}^3$
5. Upper layers and roof membrane according to project

Sound absorption coefficients:

Frequency	α_p
125	0,70
250	0,85
500	0,90
1000	0,40
2000	0,30
4000	0,25
α_w	0,35
Class	D

Date 12.12.2024	Rev. date .	Work nr. .	Drw. nr. 09	Rev. .
Drawn by Ruukki	Rev. ..			
Scale :	Building		File nr. .	

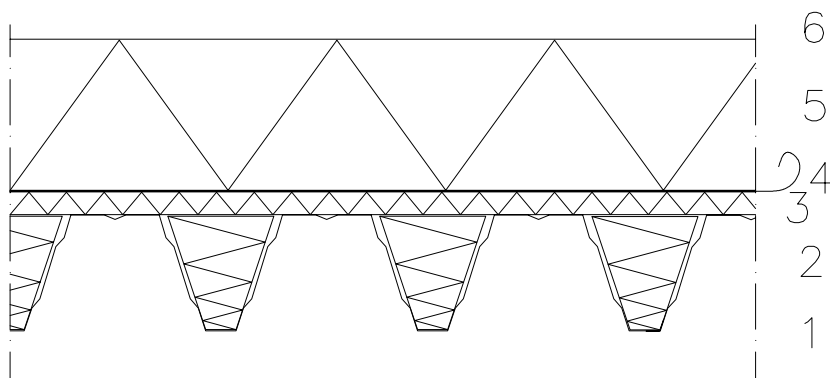


1. T153 (web perforated 3mm/15%)
2. Absorption layer: Mineral wool 30 mm, density $> 120 \text{ kg/m}^3$
3. Vapor barrier, e.g. PE, $t = 0,2 \text{ mm}$
4. PIR insulation 130...220 mm, density 30...40 kg/m^3
5. Upper layers and roof membrane according to project

Sound absorption coefficients:

Frequency	α_p
125	0,40
250	0,70
500	0,80
1000	0,40
2000	0,30
4000	0,25
α_w	0,30
Class	D

Date 12.12.2024	Rev. date .	Work nr. .	Drw. nr. 10	Rev. .
Drawn by Ruukki	Rev. ..			
Scale :	Building		File nr. .	



1. T153 (web perforated 3mm/15%)
2. Dust proofed acoustic infill, mineral wool, filling the groove, density 120...150 kg/m³
3. Absorption layer: Mineral wool 30 mm, density > 120 kg/m³
4. Vapor barrier, e.g. PE, t= 0,2 mm
5. Mineral wool 130...400 mm, density > 70 kg/m³
6. Upper layers and roof membrane according to project

Sound absorption coefficients:

Frequency	α_p
125	0,95
250	1,00
500	1,00
1000	0,60
2000	0,40
4000	0,35
α_w	0,45
Class	D