

Standard roofing system

**ROOFING AND WATERPROOFING
SYNTHETIC MEMBRANES
MAPEPLAN® T FPO/TPO**



STANDARD ROOFING SYSTEM
MAPEPLAN® T FPO/TPO



INDEX

- | | |
|----------------|--|
| page 04 | Selection and design criteria of roof build-ups |
| page 06 | Roof build-up T A Adhered system Mapeplan® T Af |
| page 12 | Roof build-up T B Ballasted system Mapeplan® T B |
| page 40 | Roof build-up T M Mechanical fastened system Mapeplan® T M |
| page 48 | Roof build-up T M B _{ROOF} Mechanical fastened system Mapeplan® T M B_{ROOF} |

Selection and design criteria of roof build-ups

Using MAPEPLAN® T waterproofing membrane, you can design and build functional, reliable, modern, technologically advanced and exceptionally eco-friendly waterproof systems.

In this document, we report the most commonly used roof build-ups.

SELECTION AND DESIGN CRITERIA

The roofing build-ups with MAPEPLAN® T waterproofing membrane are chosen and designed according to the following criteria:

- **Shape and slope** of the roof
- **Permissible permanent overload** of the structure
- **Intended use** of the roof
- Presence or not of the **thermal insulation**

TYPES OF WATERPROOFING SYSTEM

• Waterproof system with MAPEPLAN® T membrane fully exposed (light roof)

It can be realized on flat, curved or pitched roofs that can be walkable or walkable only for the maintenance of the roofing membranes and/or on any machinery and building services that might be found on the roof.

The waterproofing membrane is fastened with mechanical fastening system or bonded with gluing system against the wind uplift action.

• Waterproof system with MAPEPLAN® T membrane ballasted and protected (heavy roof)

It can be realized only on flat roofs with a permanent ballast overload $\geq 75 \text{ kg/m}^2$.

The green roof can also be realized on pitched and curved roofs.

The waterproofing membrane is anchored against the wind uplift action by the ballast.

TYPES OF WATERPROOFING SYSTEM IN RELATION TO THERMAL INSULATION

	WARM ROOF ⁽¹⁾	INVERTED ROOF ⁽²⁾	COLD ROOF ⁽³⁾
EXPOSED ROOF	✓	✗	✓
BALLASTED ROOF	✓	✓	✓

(1) The thermal insulation is apply below the waterproofing membrane.

(2) The thermal insulation is apply above the waterproofing membrane.

(3) The thermal insulation is not present.

Legend:

✓ Suitable

✗ Unsuitable

TYPES OF WATERPROOFING SYSTEM IN RELATION TO INTENDED USE AND SHAPE OR SLOPE OF THE ROOF

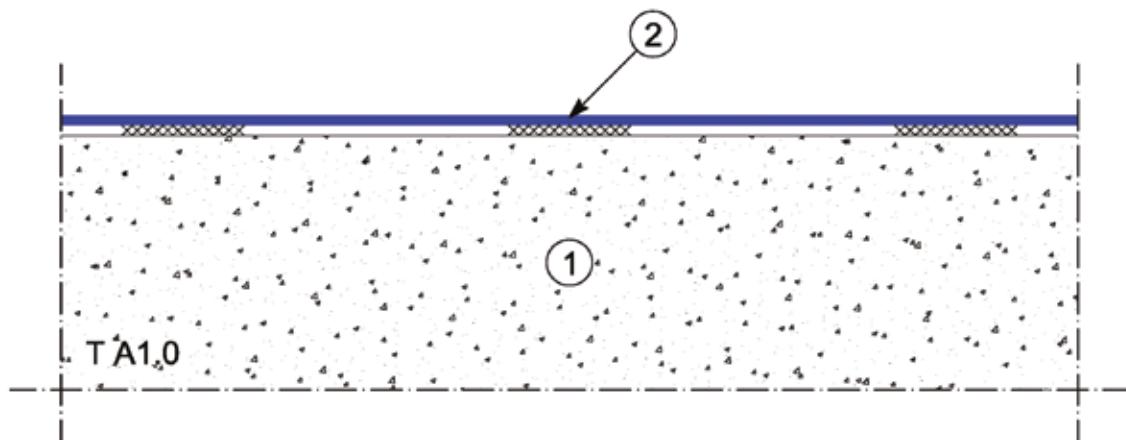
		FLAT ROOF	CURVED ROOF	PITCHED ROOF	SHED ROOF	
WALKABLE ROOF ONLY FOR MAINTENANCE	EXPOSED ROOF		✓	✓	✓	✓
	Adhered		✓	✓	✓	✓
	Gravel		✓	✗	✗	✗
WALKABLE ROOF	BALLASTED / PROTECTED ROOF		✓	✗	✗	✗
			✓	✗	✗	✗
ROOF PARKING	BALLASTED / PROTECTED ROOF		✓	✗	✗	✗
			✓	✗	✗	✗
GREEN ROOF			✓	✓	✓	✗

Legend:

✓ Suitable

✗ Unsuitable

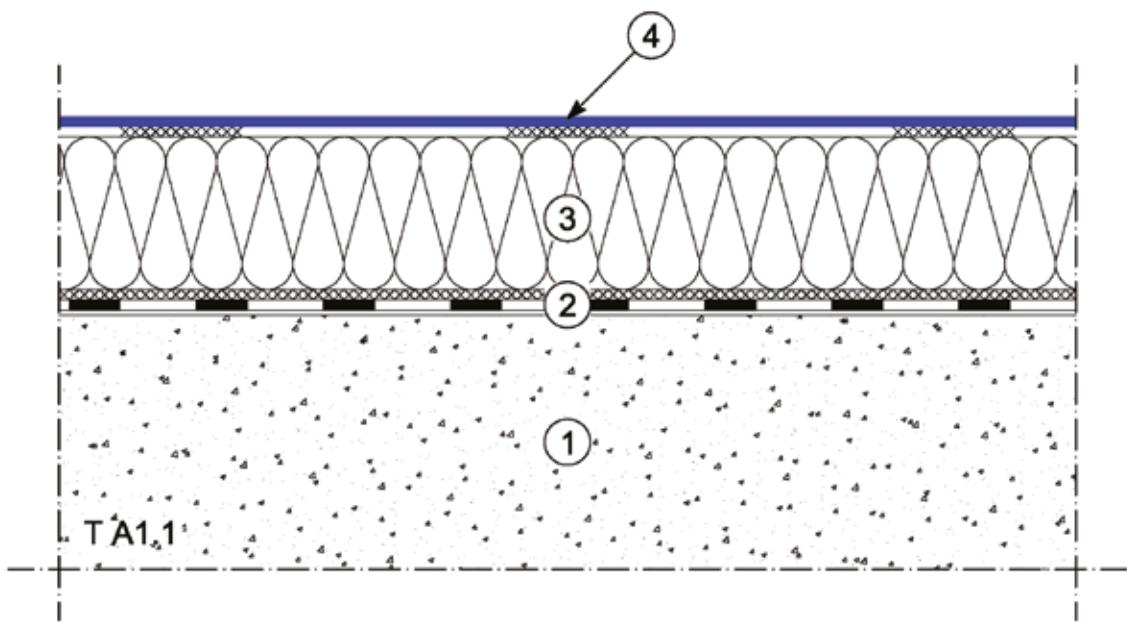
Roof build-up T A1.0



- ① Structure
- ② Waterproofing membrane in FPO/TPO - **MAPEPLAN T Af (15 - 18 - 20)**
glued in strips with adhesive **POLYGLUE PU 2K *1**

NOTE *1: Apply only on compatible structure

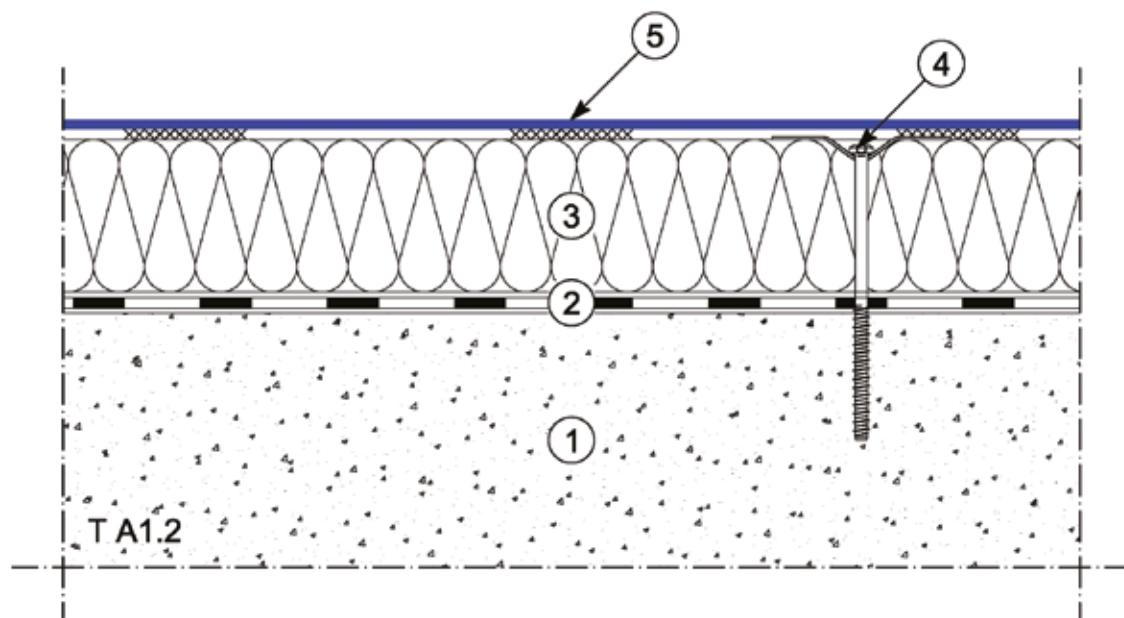
Roof build-up T A1.1



- ① Structure
- ② Fully adhered vapour control layer - **POLYVAP**
- ③ Fully adhered thermal insulation layer
- ④ Waterproofing membrane in FPO/TPO - **MAPEPLAN T Af (15 - 18 - 20)**
glued in strips with adhesive **POLYGLUE PU 2K *1**

NOTE *1: Apply only on compatible insulation

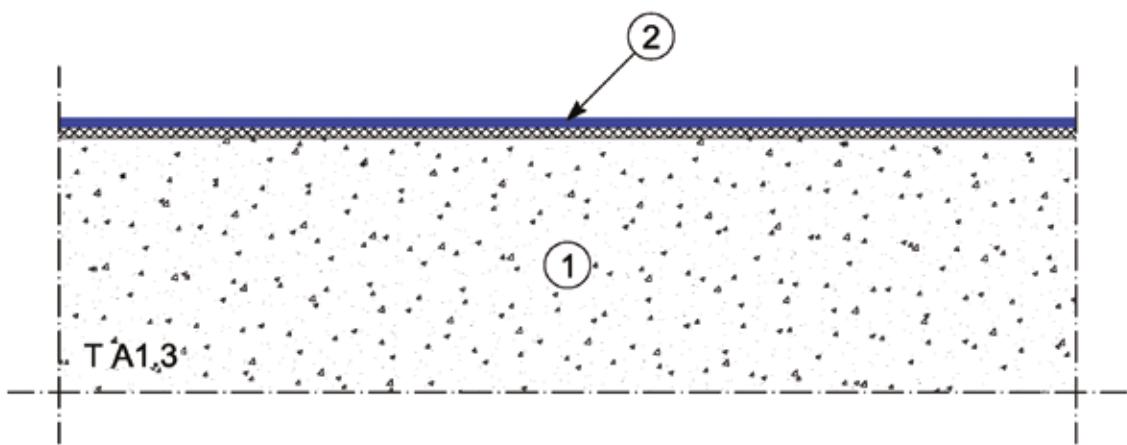
Roof build-up T A1.2



- ① Structure
- ② Vapour control layer
MAPEPLAN VB PE SD 220 or POLYVAP
- ③ Mechanically fastened thermal insulation layer
- ④ Mechanical fastening of insulation
- ⑤ Waterproofing membrane in FPO/TPO - **MAPEPLAN T Af (15 - 18 - 20)**
glued in strips with adhesive **POLYGLUE PU 2K *1**

NOTE *1: Apply only on compatible insulation

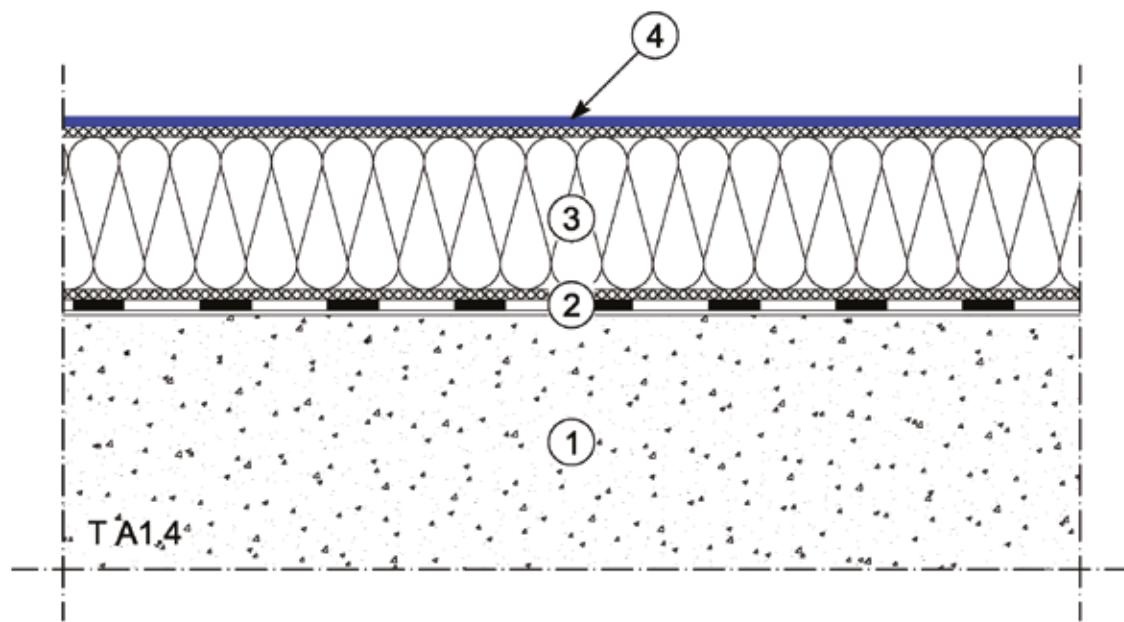
Roof build-up TA1.3



- ① Structure
- ② Waterproofing membrane in FPO/TPO - **MAPEPLAN T Af (15 - 18 - 20)**
fully adhered with adhesive **MAPEPLAN ADS 100** *¹
or **MAPEPLAN ADS 310** *¹

NOTE *¹: Apply only on compatible structure

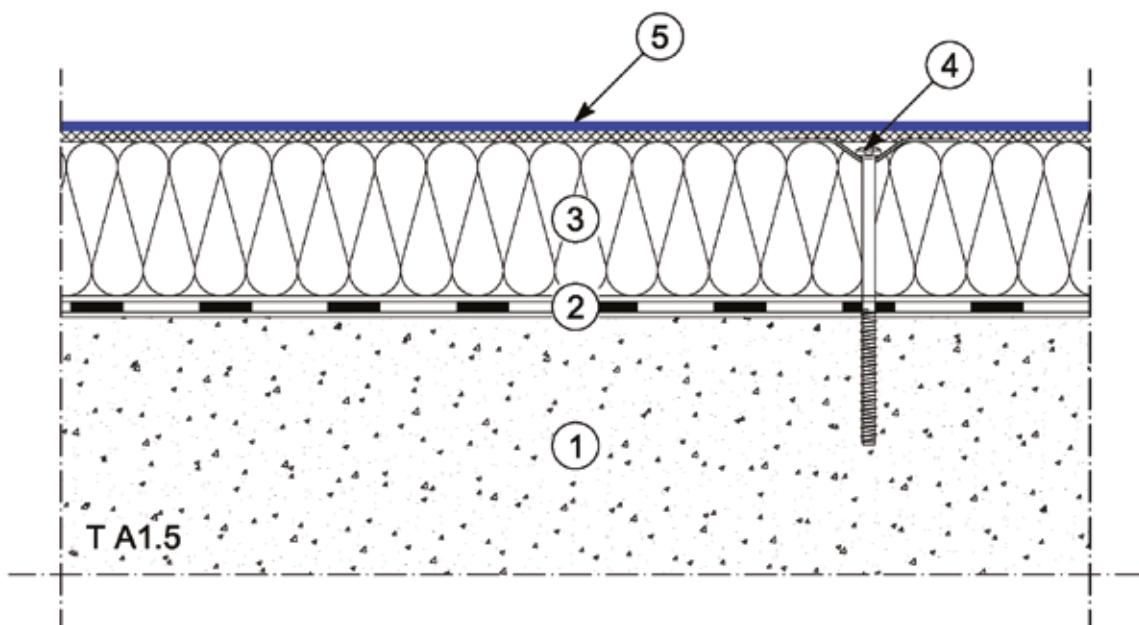
Roof build-up T A1.4



- ① Structure
- ② Fully adhered vapour control layer - **POLYVAP**
- ③ Fully adhered thermal insulation layer
- ④ Waterproofing membrane in FPO/TPO - **MAPEPLAN T Af (15 - 18 - 20)**
fully adhered with adhesive **MAPEPLAN ADS 100 *1**
or **MAPEPLAN ADS 310 *1**

NOTE *1: Apply only on compatible insulation

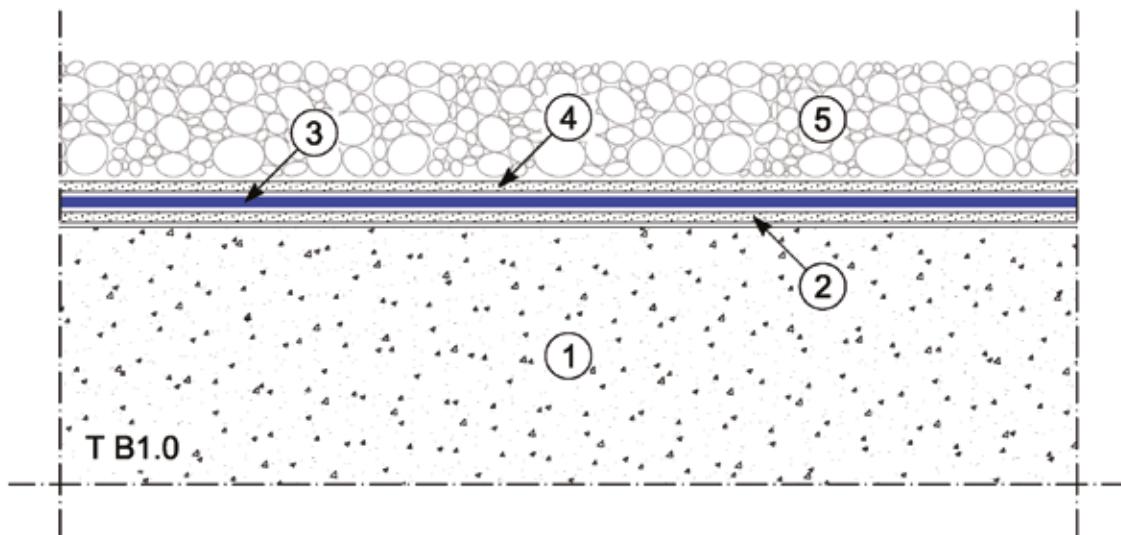
Roof build-up TA1.5



- ① Structure
- ② Vapour control layer
MAPEPLAN VB PE SD 220 or POLYVAP
- ③ Mechanically fastened thermal insulation layer
- ④ Mechanical fastening of insulation
- ⑤ Waterproofing membrane in FPO/TPO - **MAPEPLAN T Af (15 - 18 - 20)**
fully adhered with adhesive **MAPEPLAN ADS 100 *1**
or **MAPEPLAN ADS 310 *1**

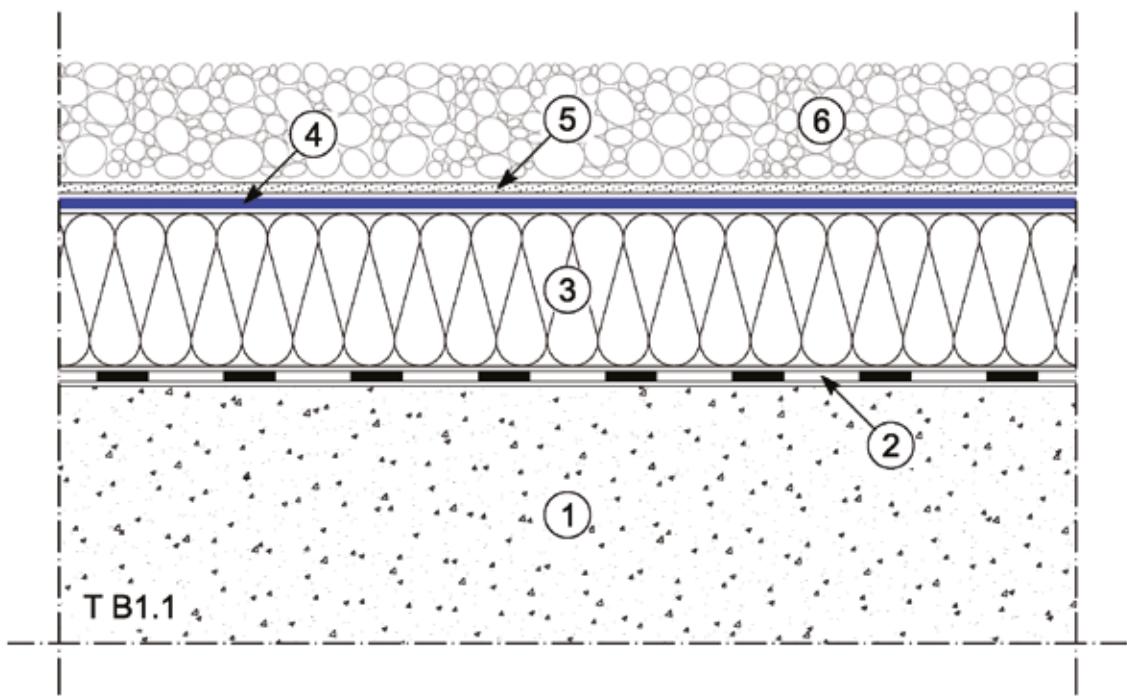
NOTE *1: Apply only on compatible insulation

Roof build-up T B1.0



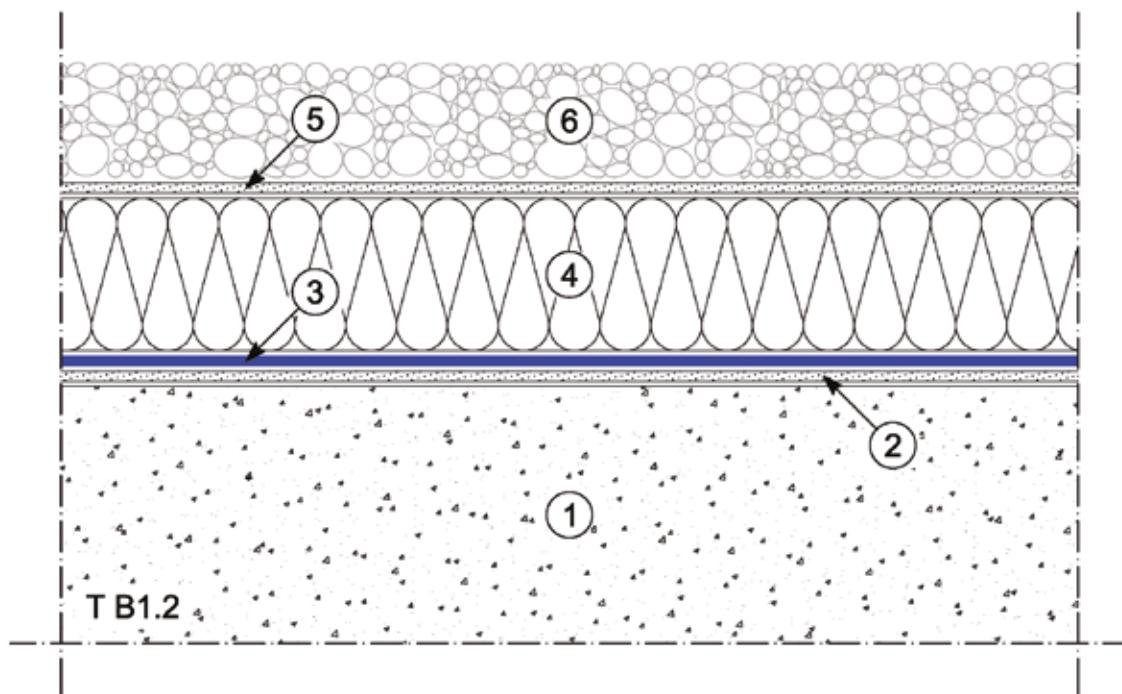
- ① Structure
- ② Levelling layer - **POLYDREN PP**
- ③ Waterproofing membrane in FPO/TPO - **MAPEPLAN T B (15 - 18 - 20)**
- ④ Protection layer - **POLYDREN PP**
- ⑤ Ballast - Gravel

Roof build-up T B1.1



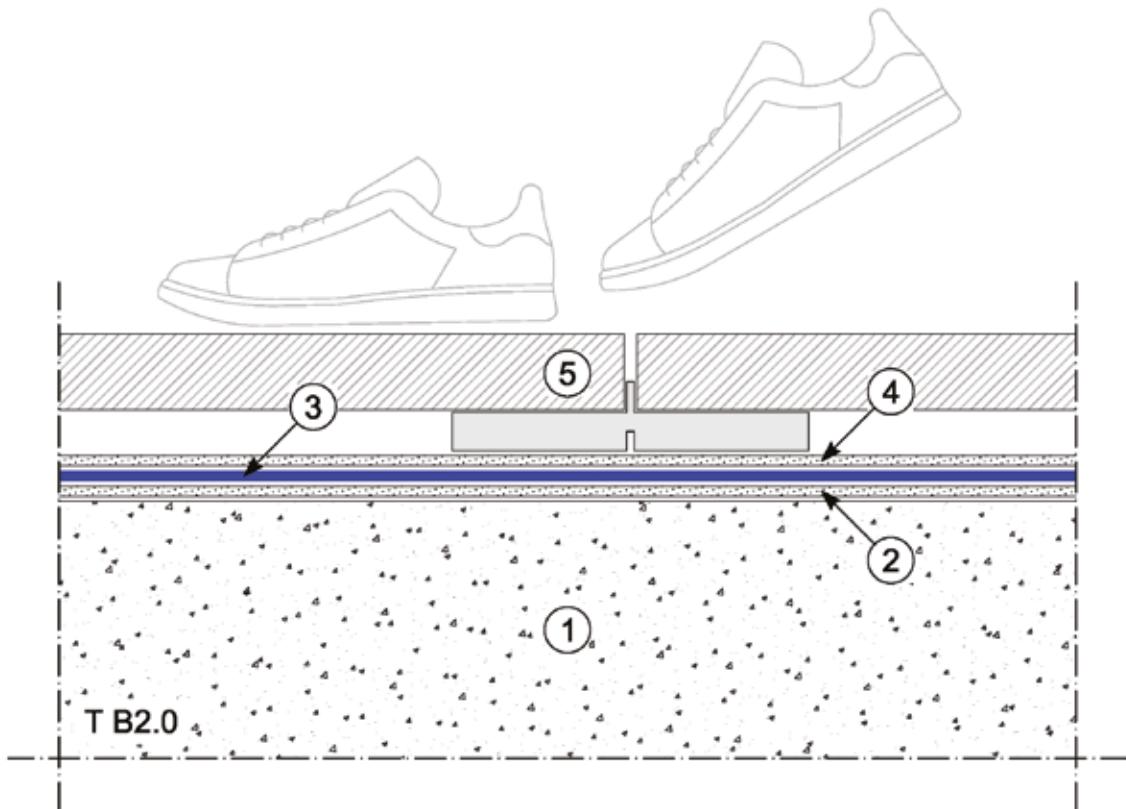
- ① Structure
- ② Vapour control layer
MAPEPLAN VB PE SD 220 or POLYVAP
- ③ Thermal insulation layer
- ④ Waterproofing membrane in FPO/TPO - **MAPEPLAN T B (15 - 18 - 20)**
- ⑤ Protection layer - **POLYDREN PP**
- ⑥ Ballast - Gravel

Roof build-up T B1.2



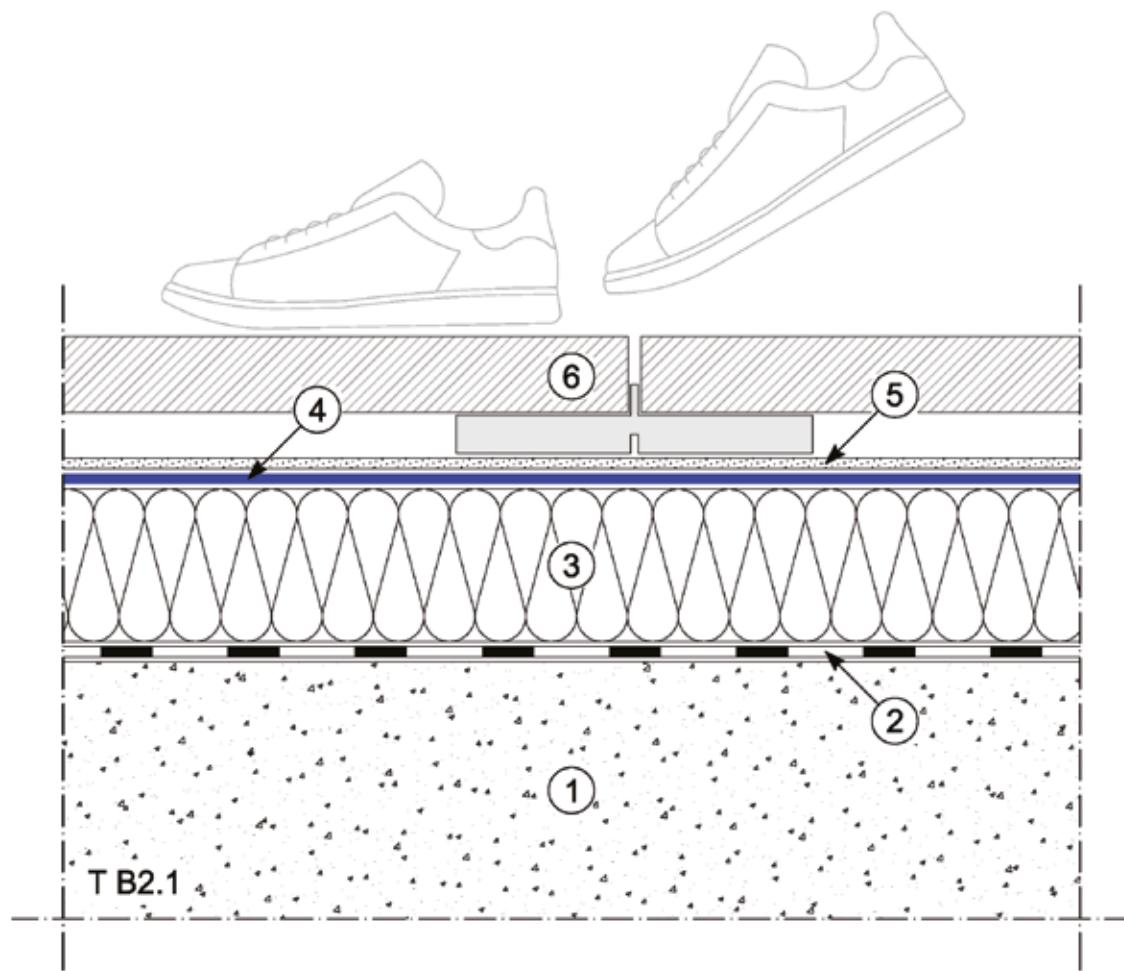
- ① Structure
- ② Levelling layer - **POLYDREN PP**
- ③ Waterproofing membrane in FPO/TPO - **MAPEPLAN T B (15 - 18 - 20)**
- ④ Thermal insulation layer - Extruded Polystyrene XPS
- ⑤ Filter layer - **POLYDREN PP**
- ⑥ Ballast - Gravel

Roof build-up T B2.0



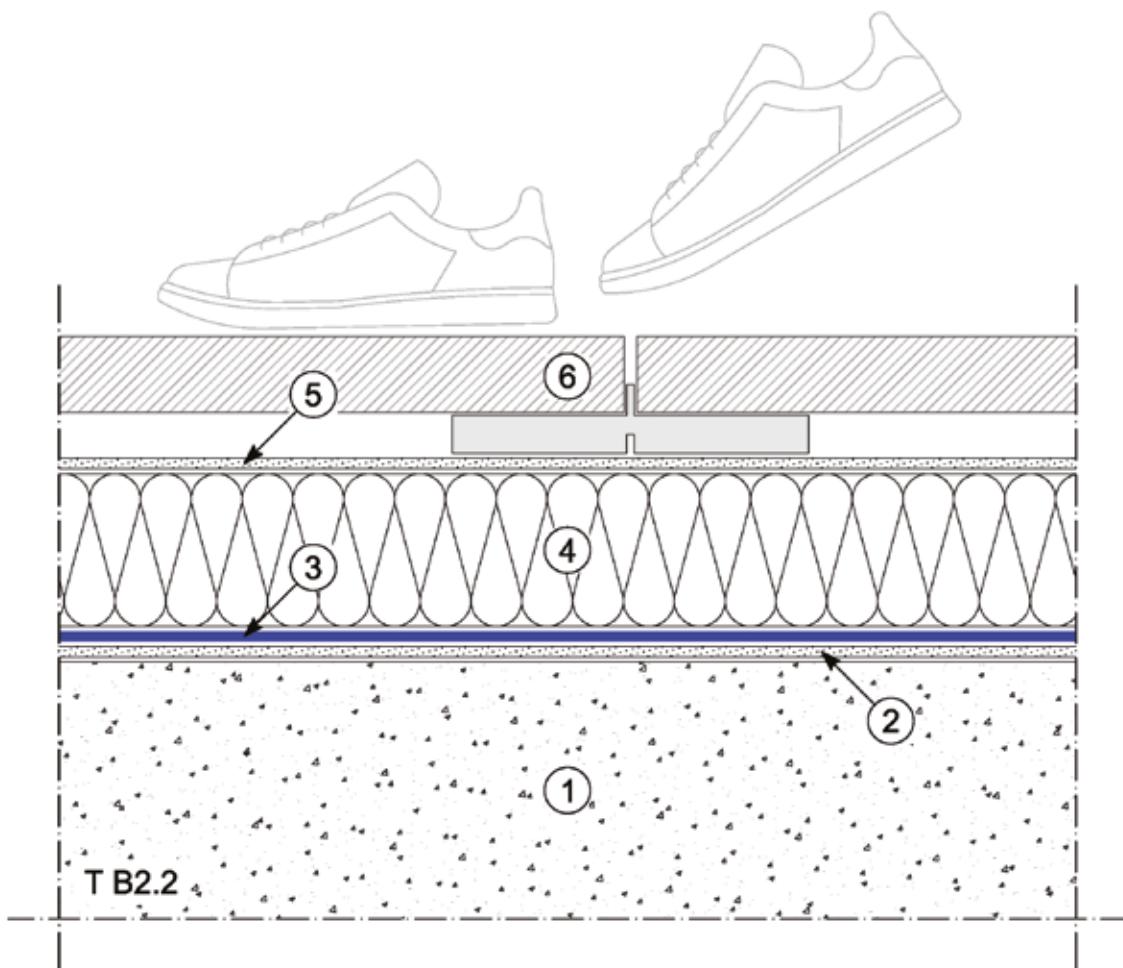
- ① Structure
- ② Levelling layer - **POLYDREN PP**
- ③ Waterproofing membrane in FPO/TPO - **MAPEPLAN T B (15 - 18 - 20)**
- ④ Protection layer - **POLYDREN PP**
- ⑤ Ballast - Floating paving

Roof build-up T B2.1



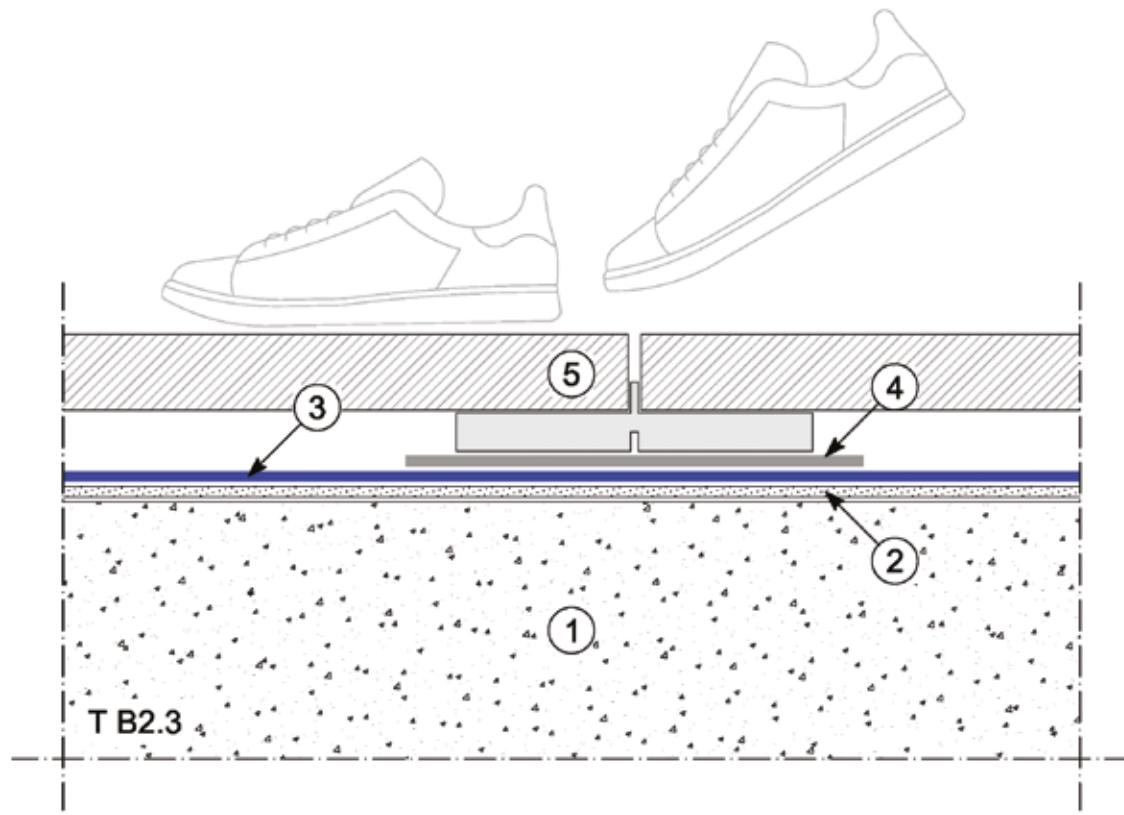
- ① Structure
- ② Vapour control layer
MAPEPLAN VB PE SD 220 or POLYVAP
- ③ Thermal insulation layer
- ④ Waterproofing membrane in FPO/TPO - **MAPEPLAN T B (15 - 18 - 20)**
- ⑤ Protection layer - **POLYDREN PP**
- ⑥ Ballast - Floating paving

Roof build-up T B2.2



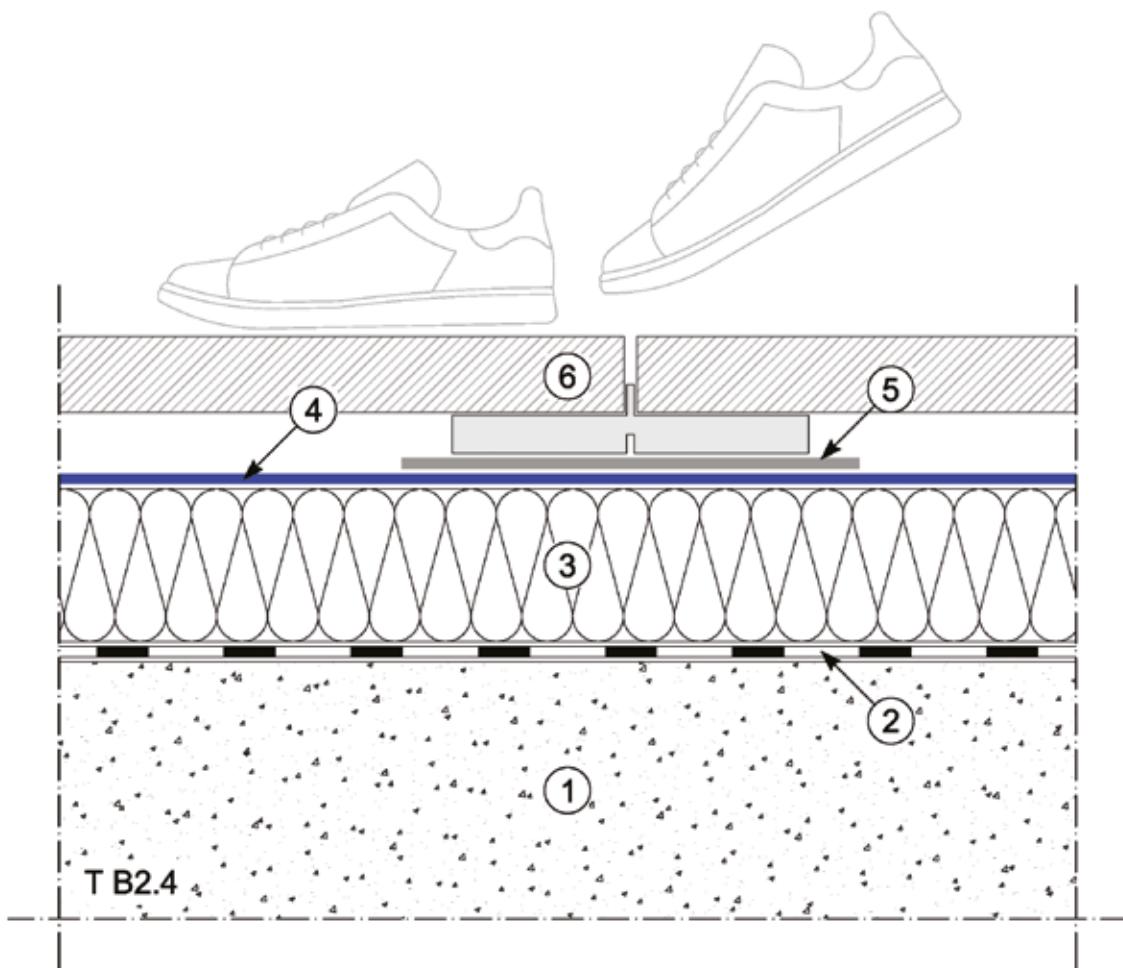
- ① Structure
- ② Levelling layer - **POLYDREN PP**
- ③ Waterproofing membrane in FPO/TPO - **MAPEPLAN T B (15 - 18 - 20)**
- ④ Thermal insulation layer - Extruded Polystyrene XPS
- ⑤ Protection layer - **POLYDREN PP**
- ⑥ Ballast - Floating paving

Roof build-up T B2.3



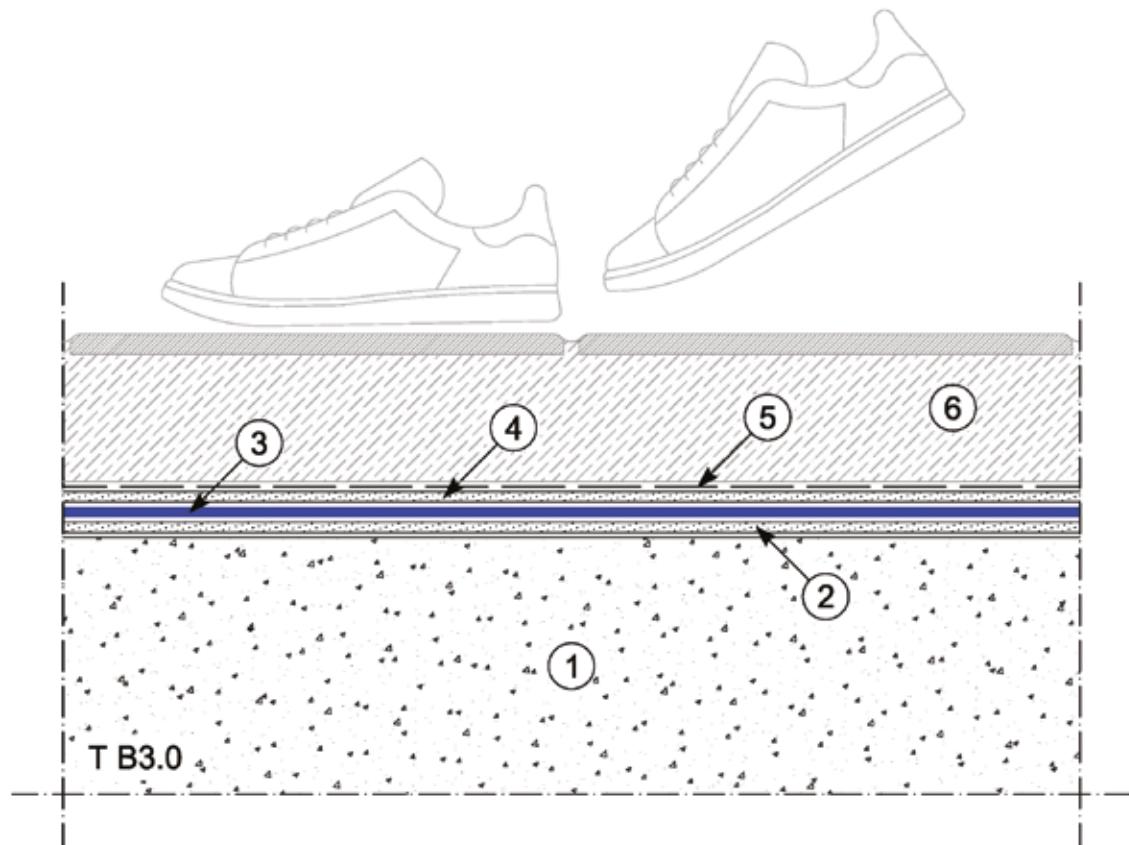
- ① Structure
- ② Levelling layer - **POLYDREN PP**
- ③ Waterproofing membrane in FPO/TPO - **MAPEPLAN T B (15 - 18 - 20)**
- ④ Protection patch in FPO/TPO - **MAPEPLAN T**
- ⑤ Ballast - Floating paving

Roof build-up T B2.4



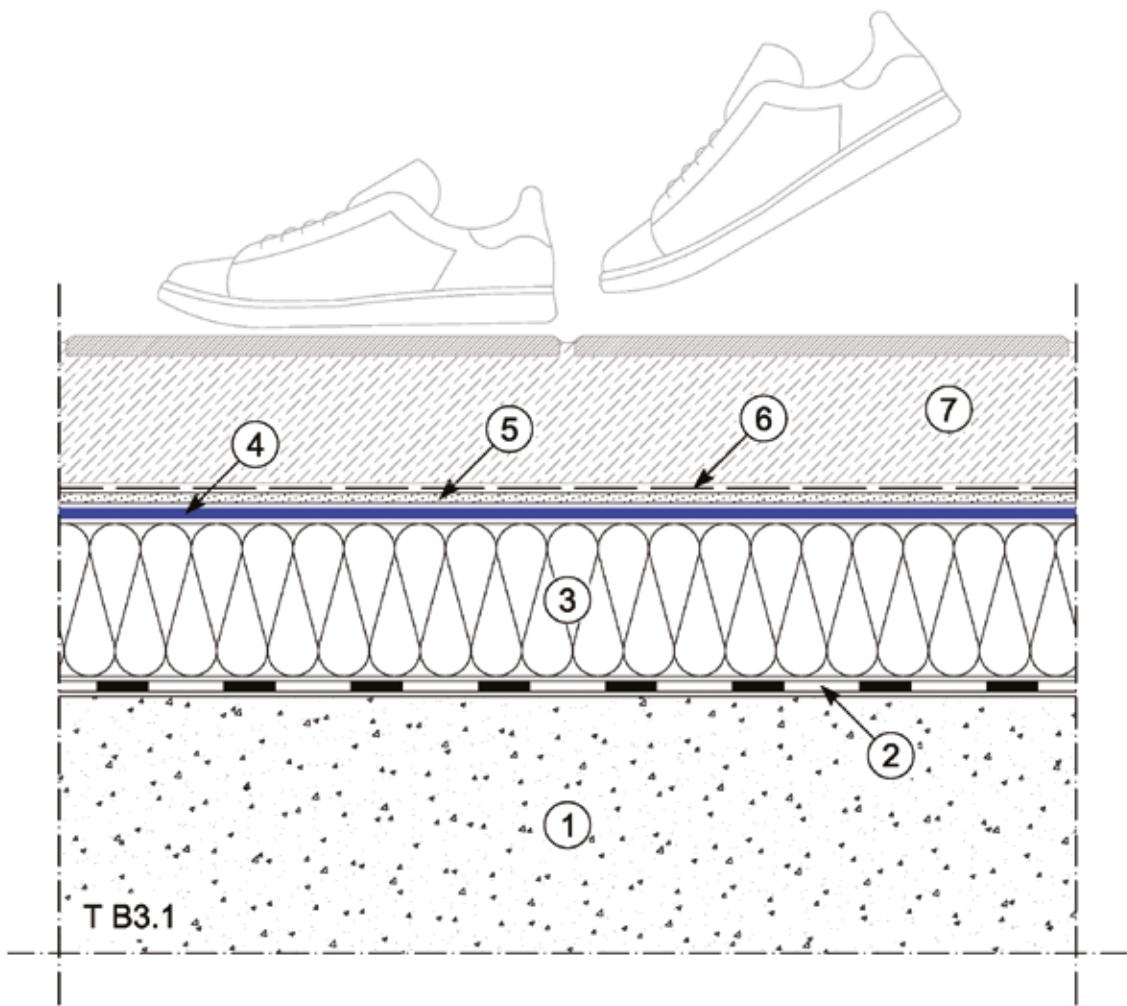
- (1) Structure
- (2) Vapour control layer
MAPEPLAN VB PE SD 220 or POLYVAP
- (3) Thermal insulation layer
- (4) Waterproofing membrane in FPO/TPO - **MAPEPLAN T B (15 - 18 - 20)**
- (5) Protection patch in FPO/TPO - **MAPEPLAN T**
- (6) Ballast - Floating paving

Roof build-up T B3.0



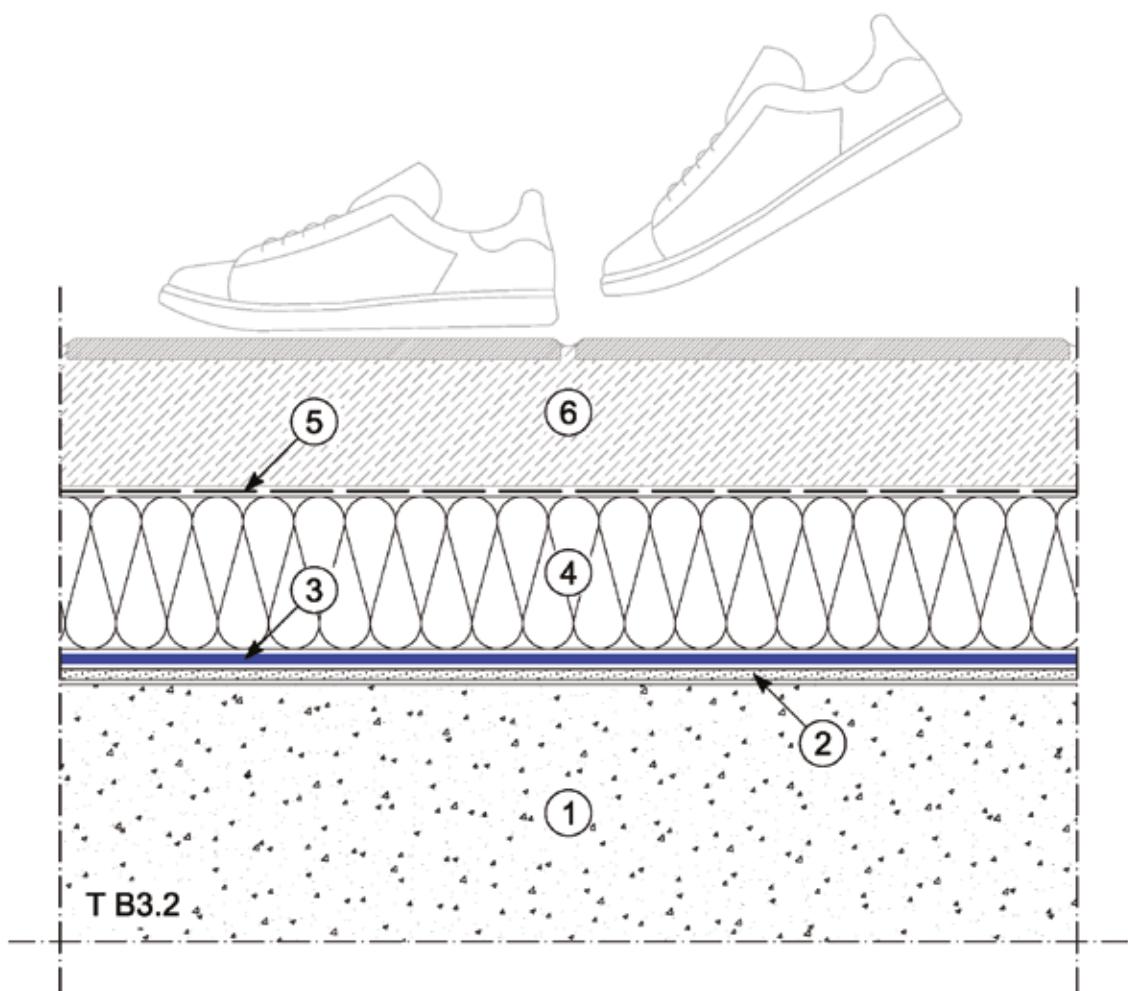
- (1) Structure
- (2) Levelling layer - **POLYDREN PP**
- (3) Waterproofing membrane in FPO/TPO - **MAPEPLAN T B (15 - 18 - 20)**
- (4) Protection layer - **POLYDREN PP**
- (5) Anti-imbibition layer - **MAPEPLAN PE micro-perforated**
- (6) Walkable layer - Tiled floor

Roof build-up T B3.1



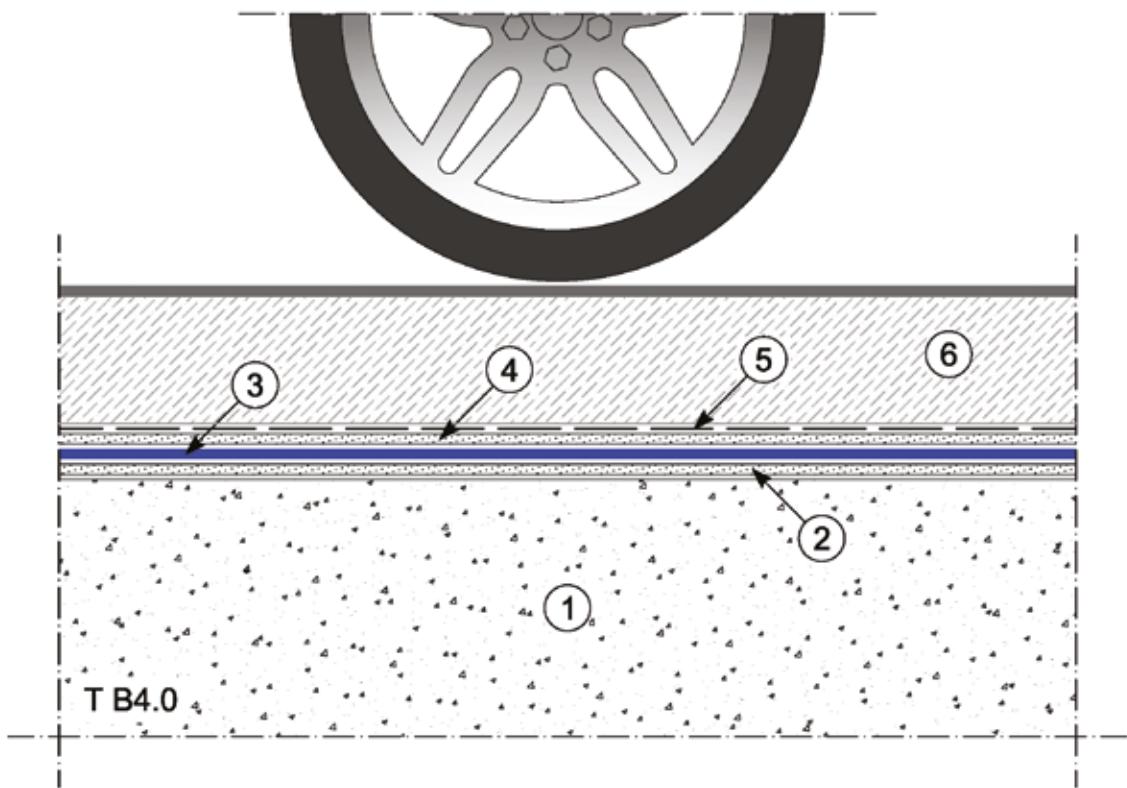
- ① Structure
- ② Vapour control layer
MAPEPLAN VB PE SD 220 or POLYVAP
- ③ Thermal insulation layer
- ④ Waterproofing membrane in FPO/TPO - **MAPEPLAN T B (15 - 18 - 20)**
- ⑤ Protection layer - **POLYDREN PP**
- ⑥ Anti-imbibition layer - **MAPEPLAN PE micro-perforated**
- ⑦ Walkable layer - Tiled floor

Roof build-up T B3.2



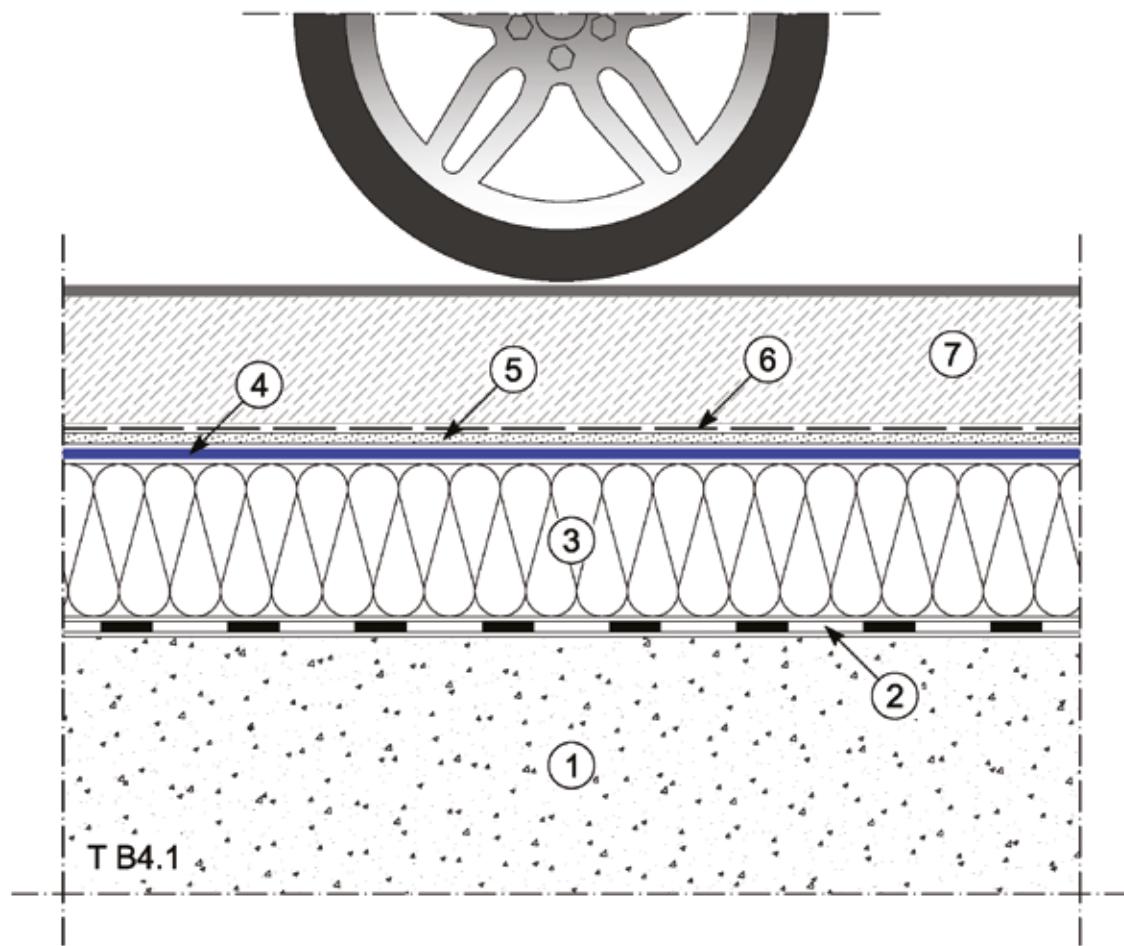
- ① Structure
- ② Levelling layer - **POLYDREN PP**
- ③ Waterproofing membrane in FPO/TPO - **MAPEPLAN T B (15 - 18 - 20)**
- ④ Thermal insulation layer - Extruded Polystyrene XPS
- ⑤ Anti-imbibition layer - **MAPEPLAN PE micro-perforated**
- ⑥ Walkable layer - Tiled floor

Roof build-up T B4.0



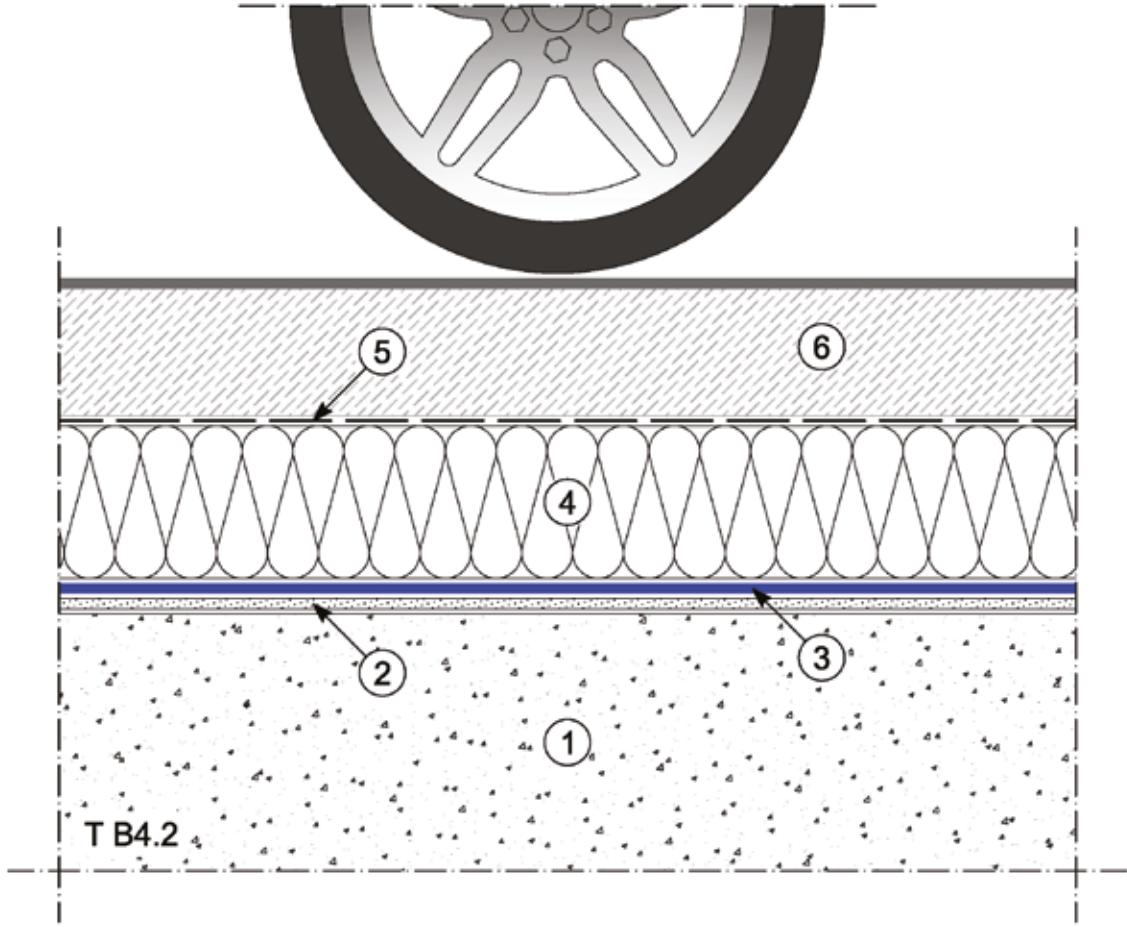
- ① Structure
- ② Lavelling layer - **POLYDREN PP**
- ③ Waterproofing membrane in FPO/TPO - **MAPEPLAN T B (15 - 18 - 20)**
- ④ Protection layer - **POLYDREN PP**
- ⑤ Anti-imbibition layer - **MAPEPLAN PE micro-perforated**
- ⑥ Concrete screed with wearing course

Roof build-up T B4.1



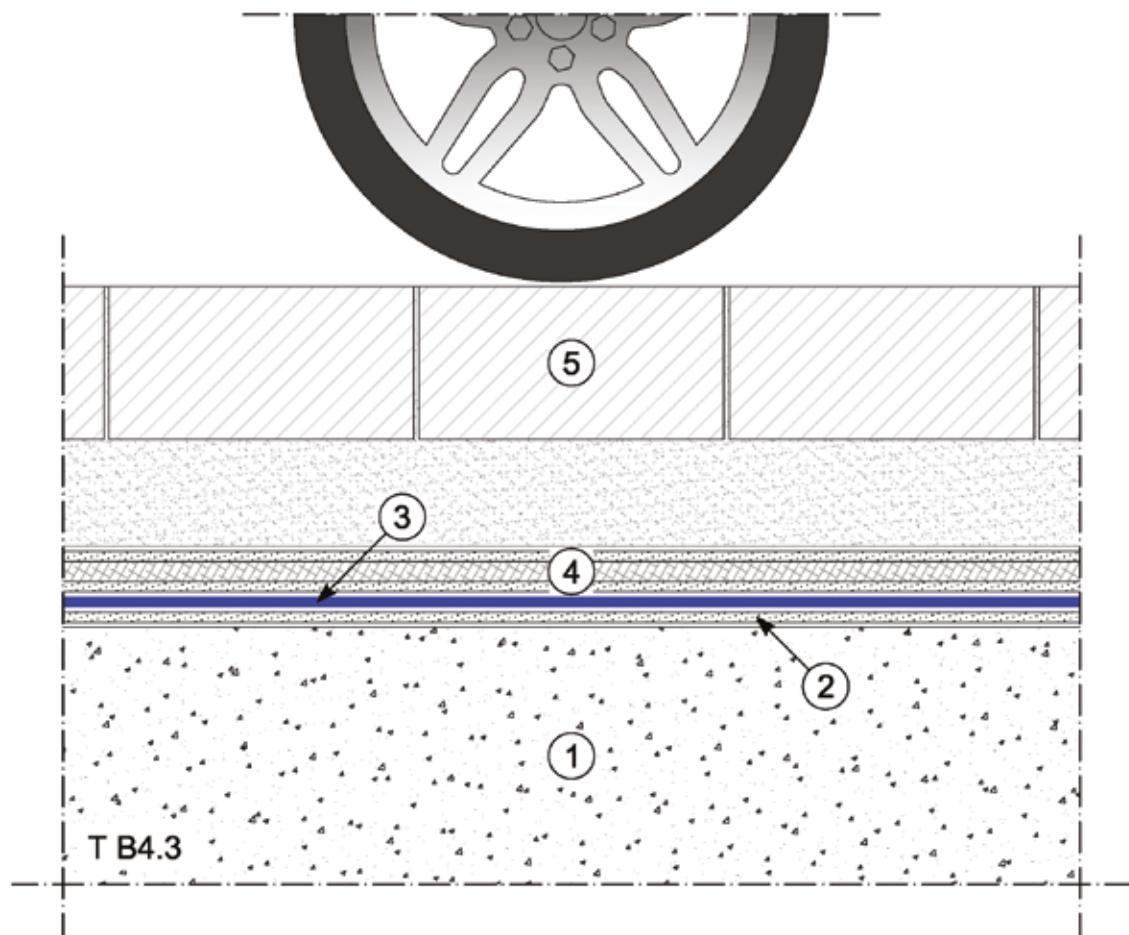
- (1) Structure
- (2) Vapour control layer
MAPEPLAN VB PE SD 220 or POLYVAP
- (3) Thermal insulation layer
- (4) Waterproofing membrane in FPO/TPO - **MAPEPLAN T B (15 - 18 - 20)**
- (5) Protection layer - **POLYDREN PP**
- (6) Anti-imbibition layer - **MAPEPLAN PE micro-perforated**
- (7) Concrete screed with wearing course

Roof build-up T B4.2



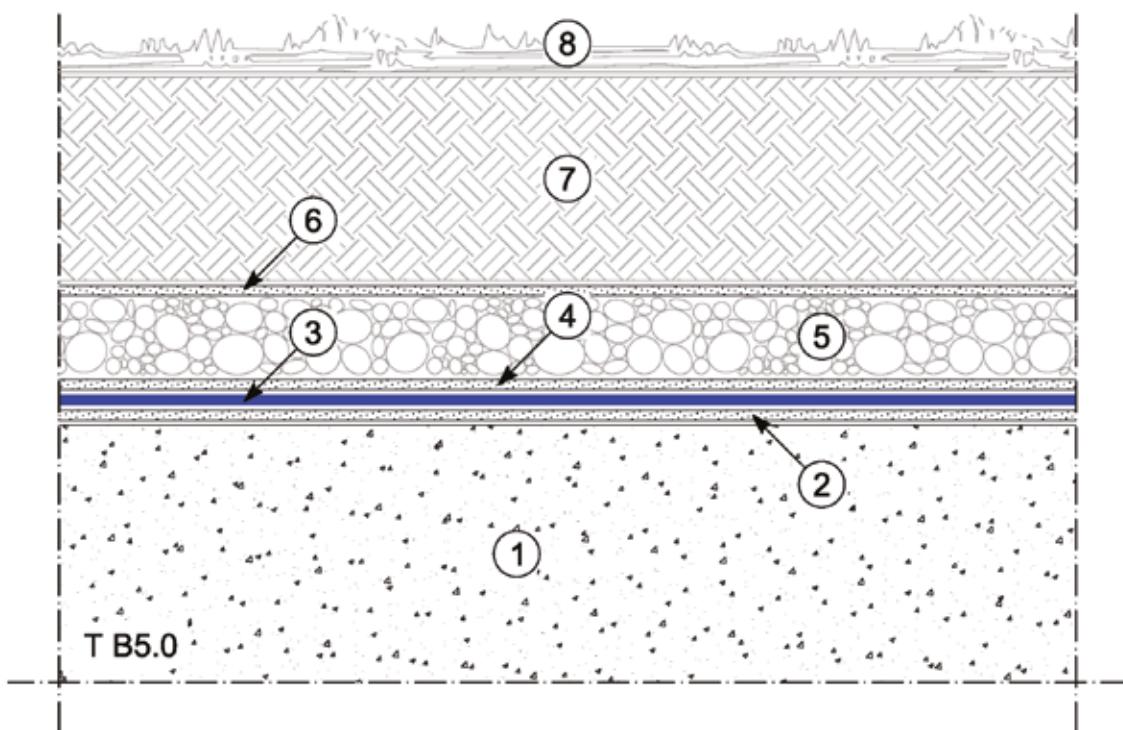
- ① Structure
- ② Levelling layer - **POLYDREN PP**
- ③ Waterproofing membrane in FPO/TPO - **MAPEPLAN T B (15 - 18 - 20)**
- ④ Thermal insulation layer - Extruded Polystyrene XPS
- ⑤ Anti-imbibition layer - **MAPEPLAN PE micro-perforated**
- ⑥ Concrete screed with wearing course

Roof build-up T B4.3



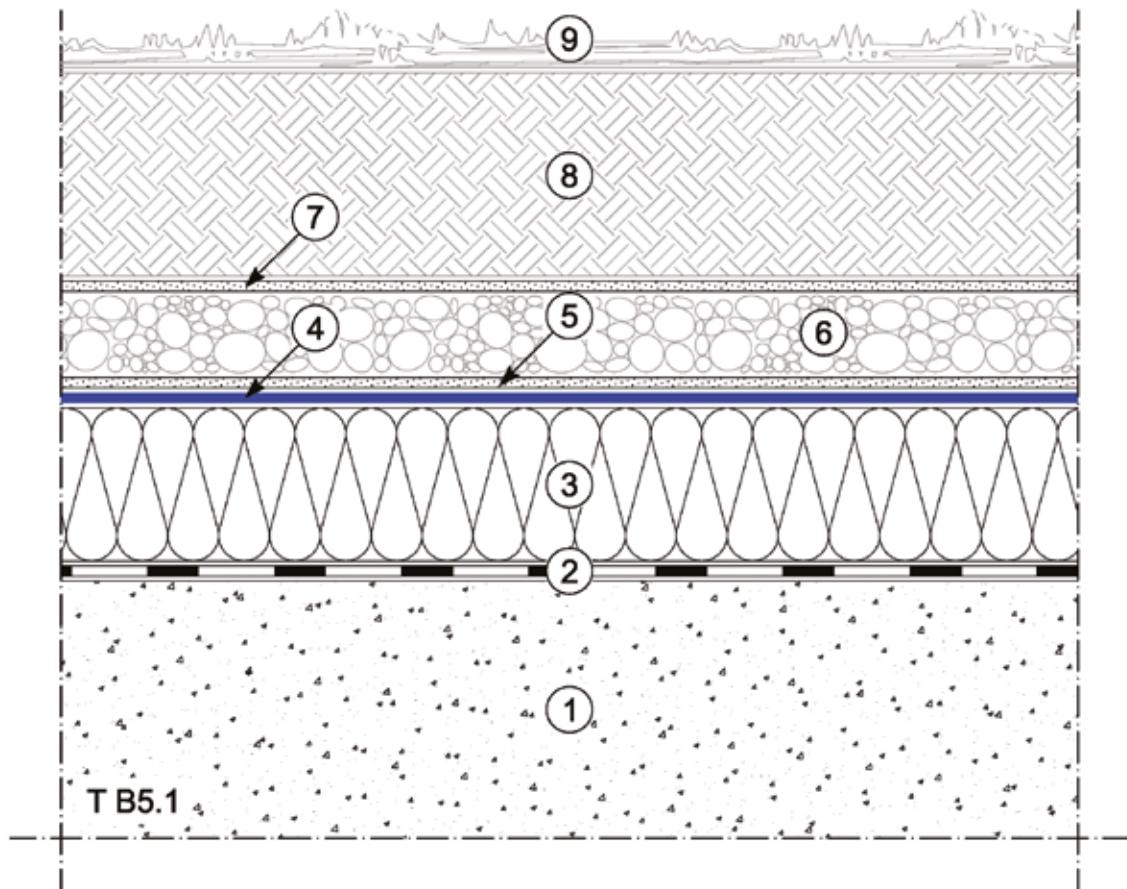
- (1) Structure
- (2) Levelling layer - **POLYDREN PP**
- (3) Waterproofing membrane in FPO/TPO - **MAPEPLAN T B (15 - 18 - 20)**
- (4) Protection and drainage layer - Geocomposite
- (5) Self-locking paving

Roof build-up T B5.0



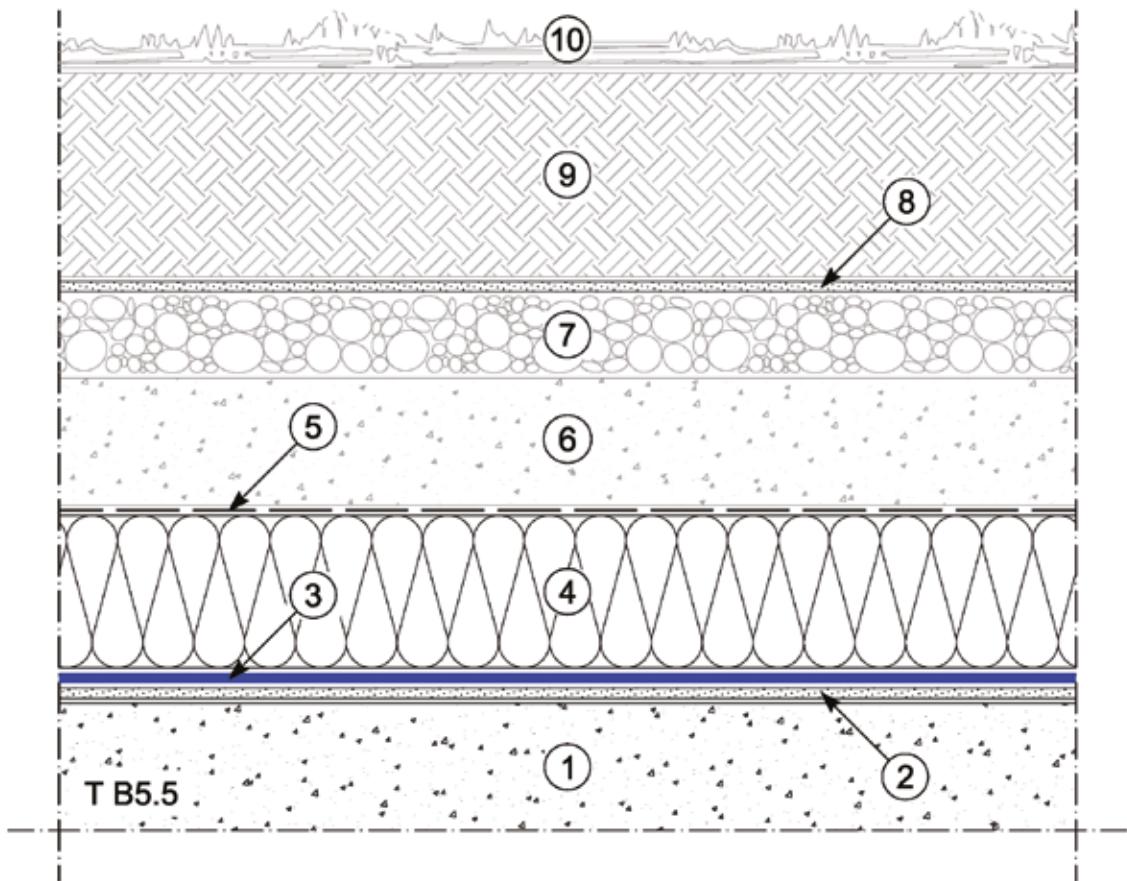
- (1) Structure
- (2) Levelling layer - **POLYDREN PP**
- (3) Waterproofing membrane in FPO/TPO - **MAPEPLAN T B (15 - 18 - 20)**
- (4) Protection layer - **POLYDREN PP**
- (5) Drainage layer
- (6) Filter layer - **POLYDREN PP**
- (7) Growing substrate
- (8) Vegetation

Roof build-up T B5.1



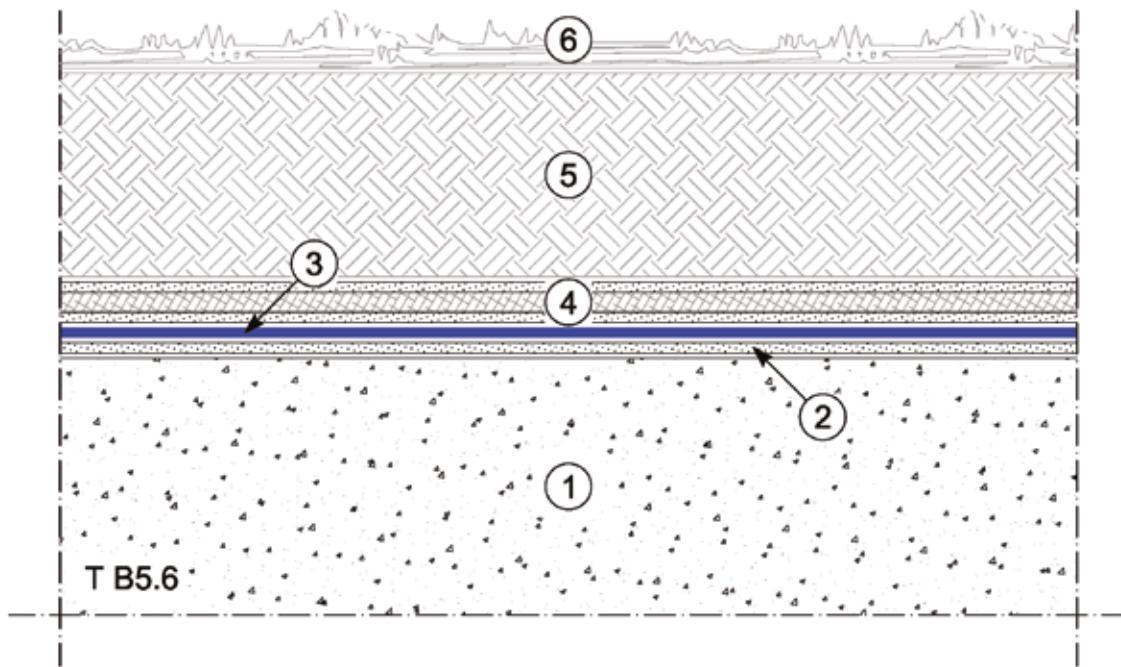
- (1) Structure
- (2) Vapour control layer - **POLYVAP**
- (3) Thermal insulation layer
- (4) Waterproofing membrane in FPO/TPO - **MAPEPLAN T B (15 - 18 - 20)**
- (5) Protection layer - **POLYDREN PP**
- (6) Drainage layer
- (7) Filter layer - **POLYDREN PP**
- (8) Growing substrate
- (9) Vegetation

Roof build-up T B5.5



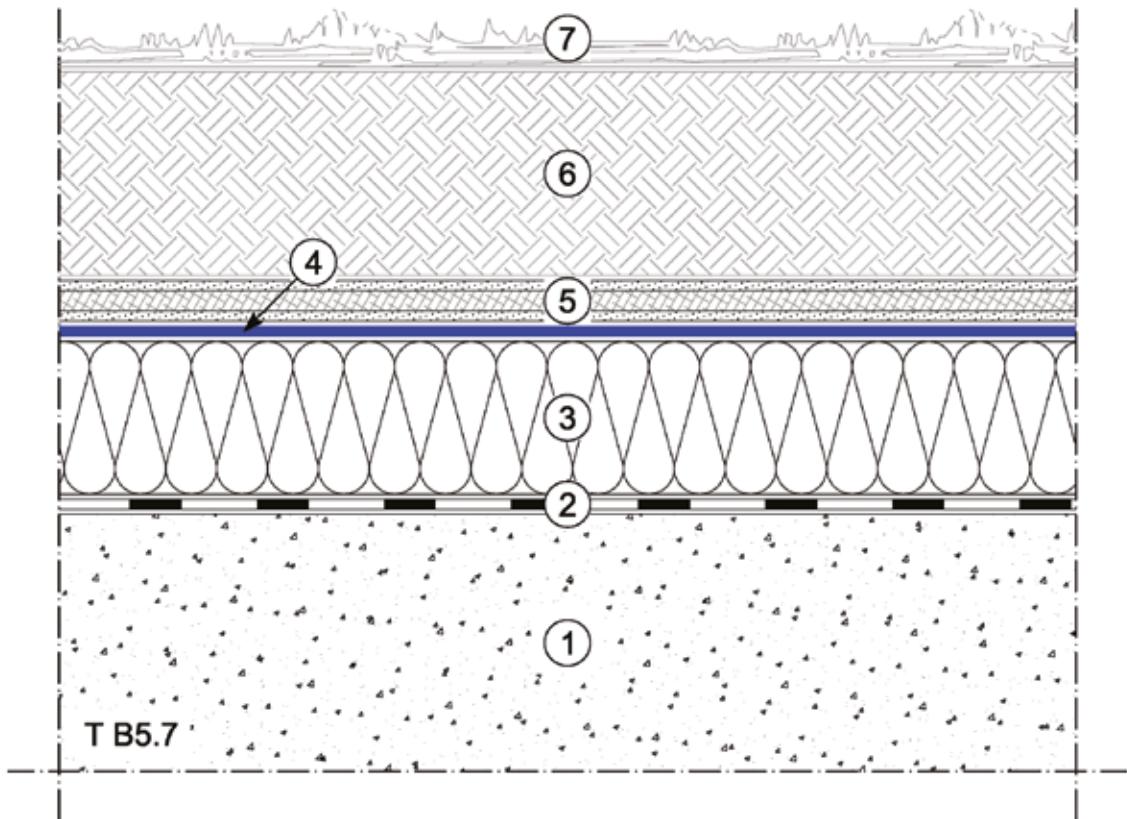
- ① Structure
- ② Levelling layer - **POLYDREN PP**
- ③ Waterproofing membrane in FPO/TPO - **MAPEPLAN T B (15 - 18 - 20)**
- ④ Thermal insulation layer - Extruded Polystyrene XPS
- ⑤ Anti-imbibition layer - **MAPEPLAN PE micro-perforated**
- ⑥ Protective concrete screed
- ⑦ Drainage layer
- ⑧ Filter layer - **POLYDREN PP**
- ⑨ Growing substrate
- ⑩ Vegetation

Roof build-up T B5.6



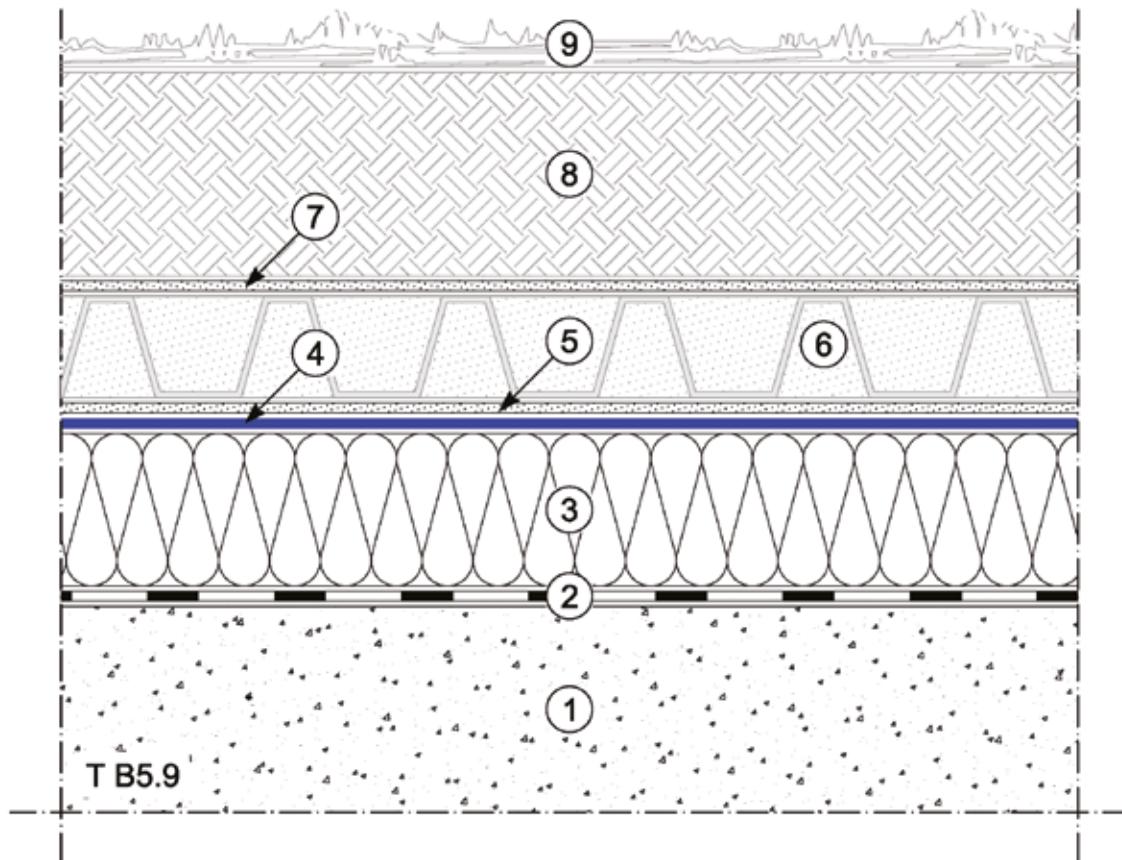
- ① Structure
- ② Levelling layer - **POLYDREN PP**
- ③ Waterproofing membrane in FPO/TPO - **MAPEPLAN T B (15 - 18 - 20)**
- ④ Protection and drainage layer - **POLYSTUOIA**
- ⑤ Growing substrate
- ⑥ Vegetation

Roof build-up T B5.7



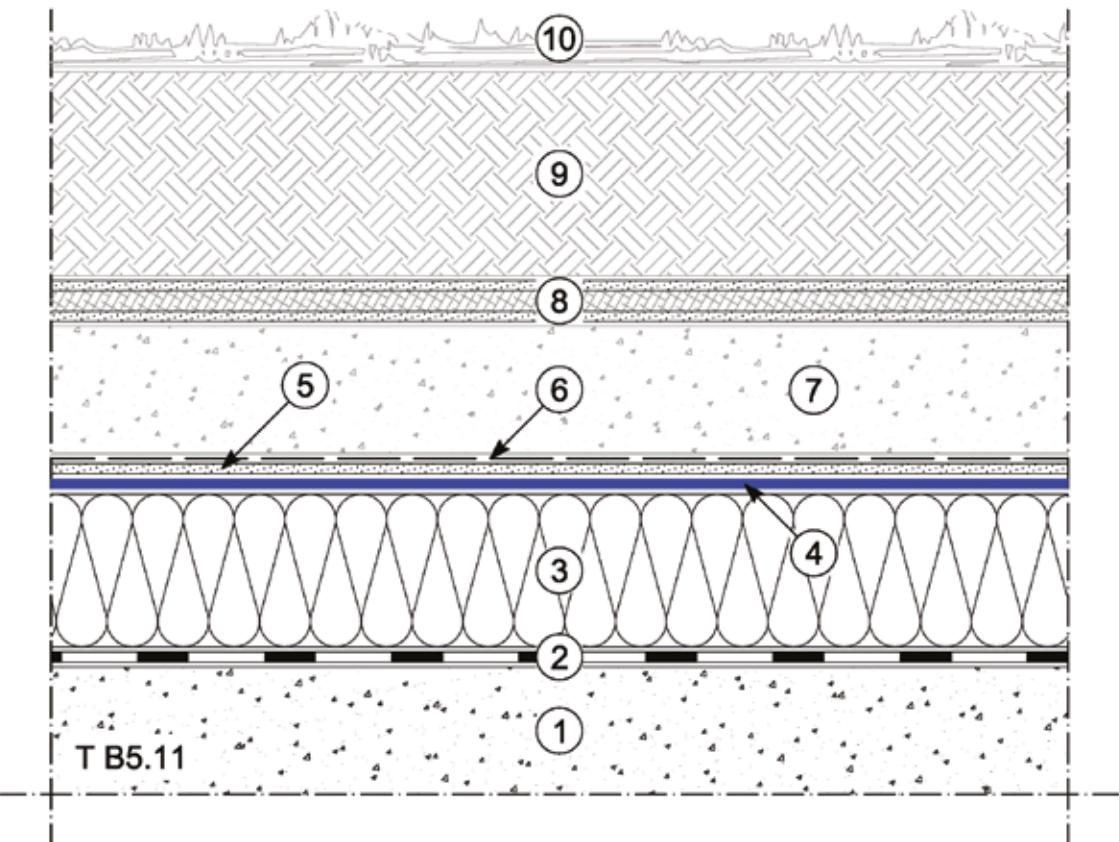
- ① Structure
- ② Vapour control layer - **POLYVAP**
- ③ Thermal insulation layer
- ④ Waterproofing membrane in FPO/TPO - **MAPEPLAN T B (15 - 18 - 20)**
- ⑤ Protection and drainage layer - **POLYSTUOIA**
- ⑥ Growing substrate
- ⑦ Vegetation

Roof build-up T B5.9



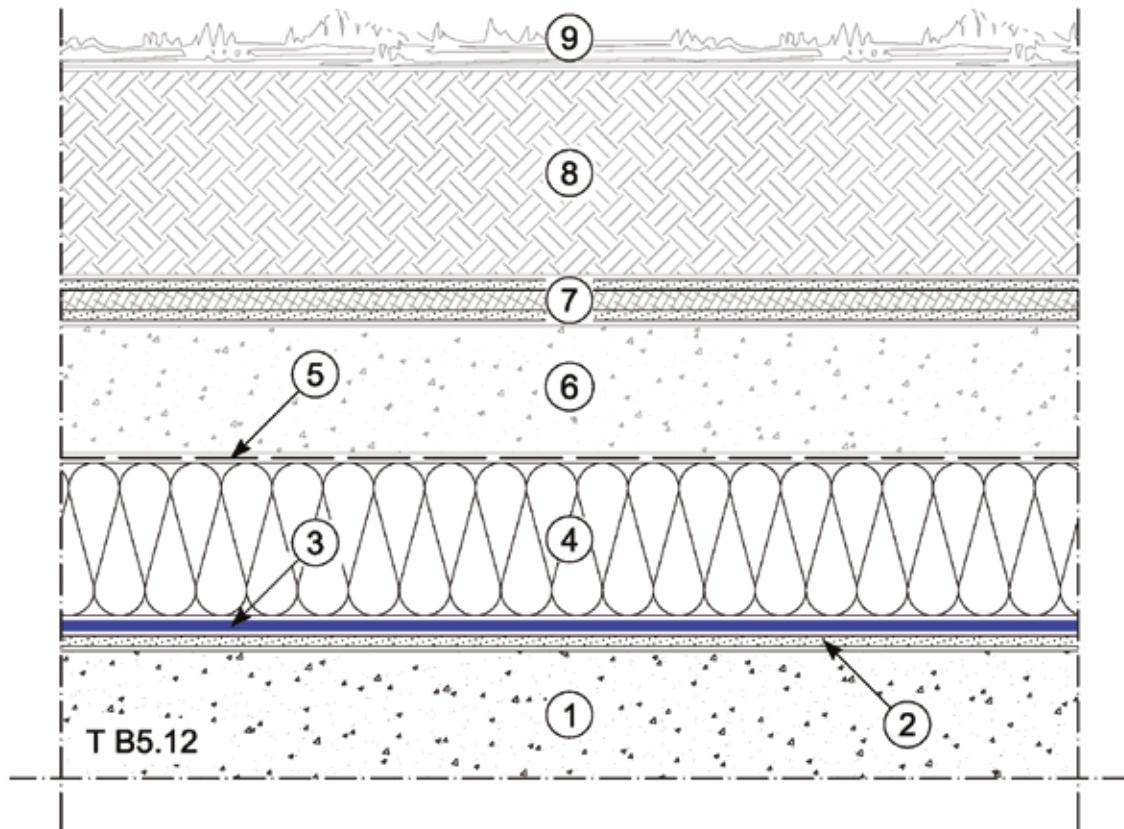
- ① Structure
- ② Vapour control layer - **POLYVAP**
- ③ Thermal insulation layer
- ④ Waterproofing membrane in FPO/TPO - **MAPEPLAN T B (15 - 18 - 20)**
- ⑤ Protection layer - **POLYDREN PP**
- ⑥ Drainage / water storage layer - Preformed HDPE elements
- ⑦ Filter layer - Geotextile
- ⑧ Growing substrate
- ⑨ Vegetation

Roof build-up T B5.11



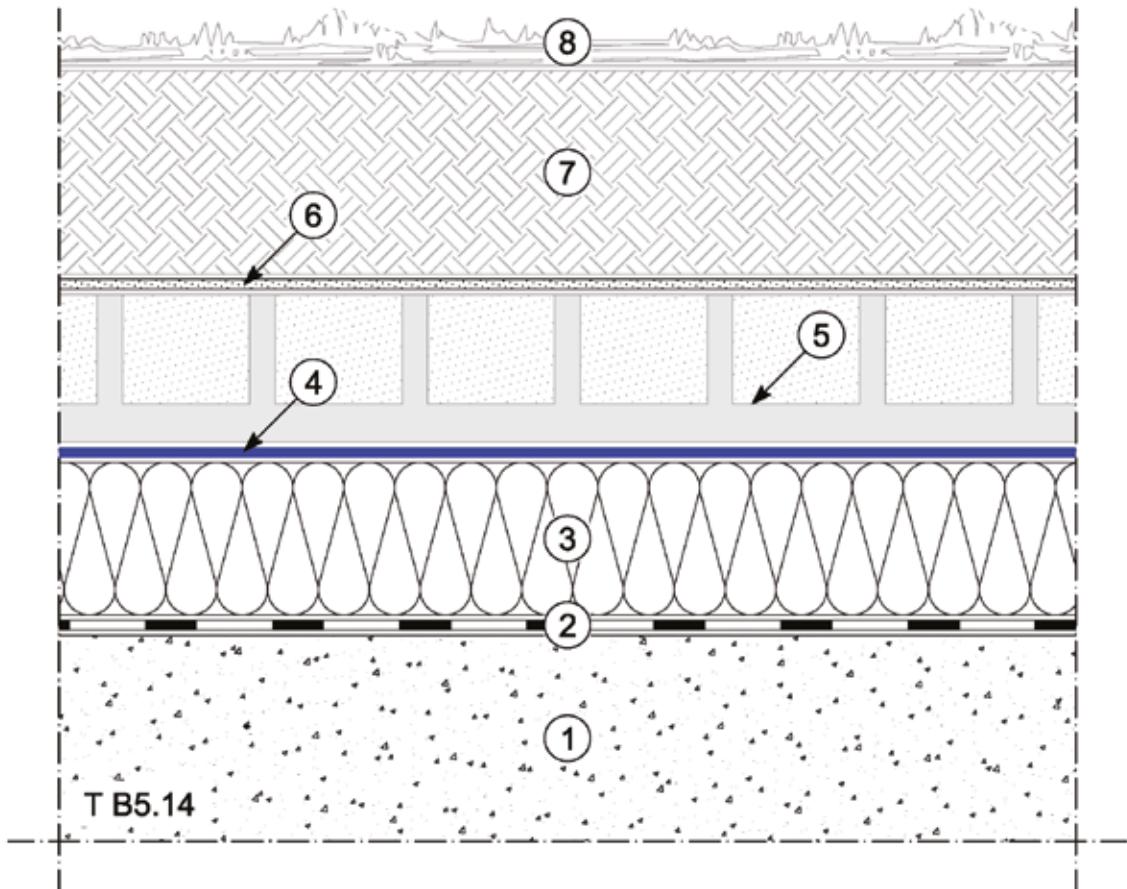
- (1) Structure
- (2) Vapour control layer - **POLYVAP**
- (3) Thermal insulation layer
- (4) Waterproofing membrane in FPO/TPO - **MAPEPLAN T B (15 - 18 - 20)**
- (5) Protection layer - **POLYDREN PP**
- (6) Anti-imbibition layer - **MAPEPLAN PE micro-perforated**
- (7) Protective concrete screed
- (8) Protection and drainage layer - **POLYSTUOIA**
- (9) Growing substrate
- (10) Vegetation

Roof build-up T B5.12



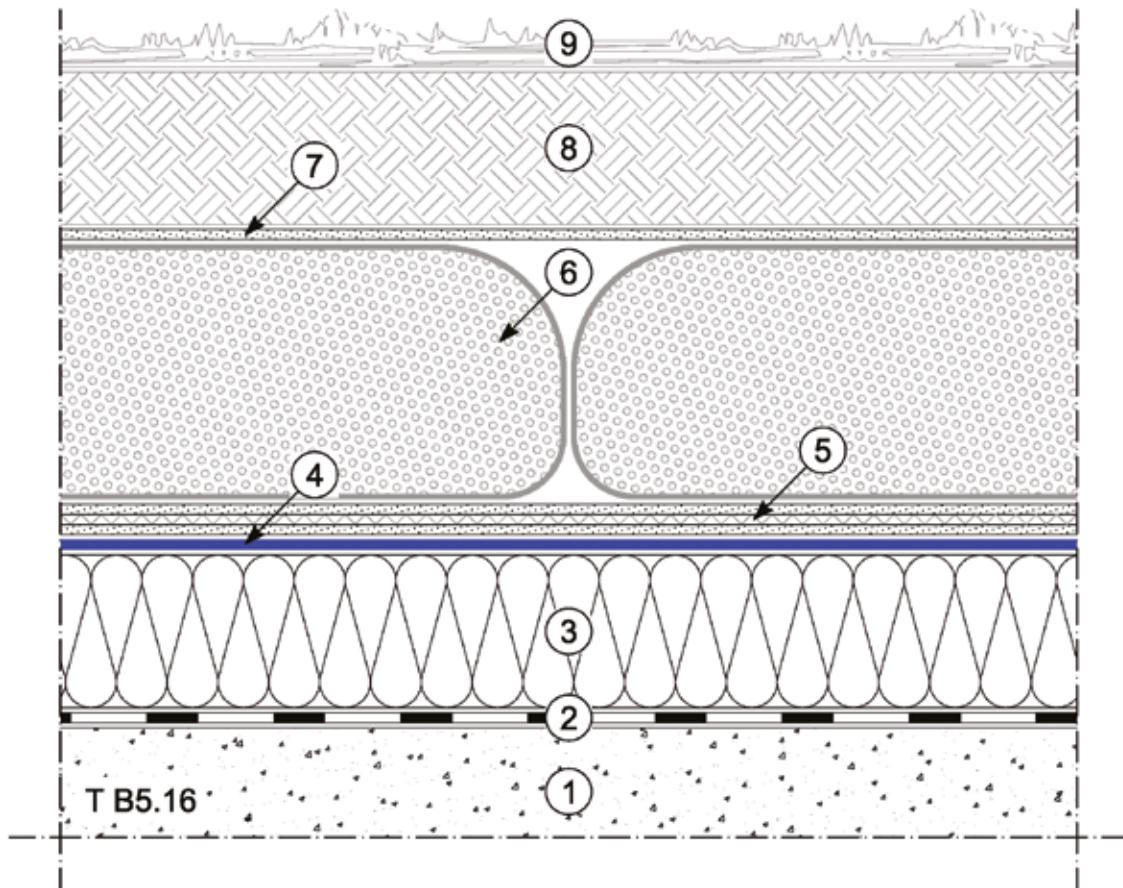
- (1) Structure
- (2) Levelling layer - **POLYDREN PP**
- (3) Waterproofing membrane in FPO/TPO - **MAPEPLAN T B (15 - 18 - 20)**
- (4) Thermal insulation layer - Extruded Polystyrene XPS
- (5) Anti-imbibition layer - **MAPEPLAN PE micro-perforated**
- (6) Protective concrete screed
- (7) Protection and drainage layer - **POLYSTUOIA**
- (8) Growing substrate
- (9) Vegetation

Roof build-up T B5.14



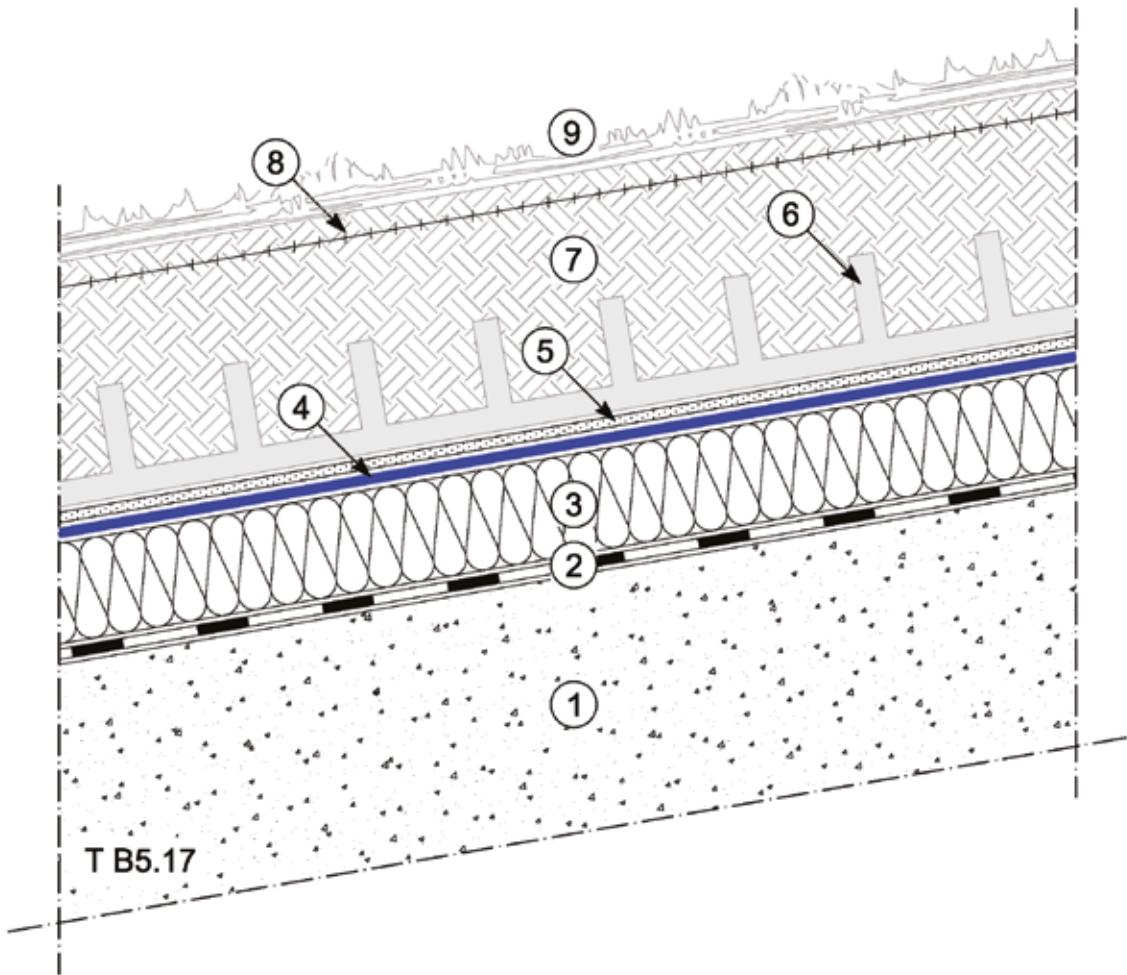
- ① Structure
- ② Vapour control layer - **POLYVAP**
- ③ Thermal insulation layer
- ④ Waterproofing membrane in FPO/TPO - **MAPEPLAN T B (15 - 18 - 20)**
- ⑤ Drainage / water storage layer - Preformed EPS panels
- ⑥ Filter layer - Geotextile
- ⑦ Growing substrate
- ⑧ Vegetation

Roof build-up T B5.16



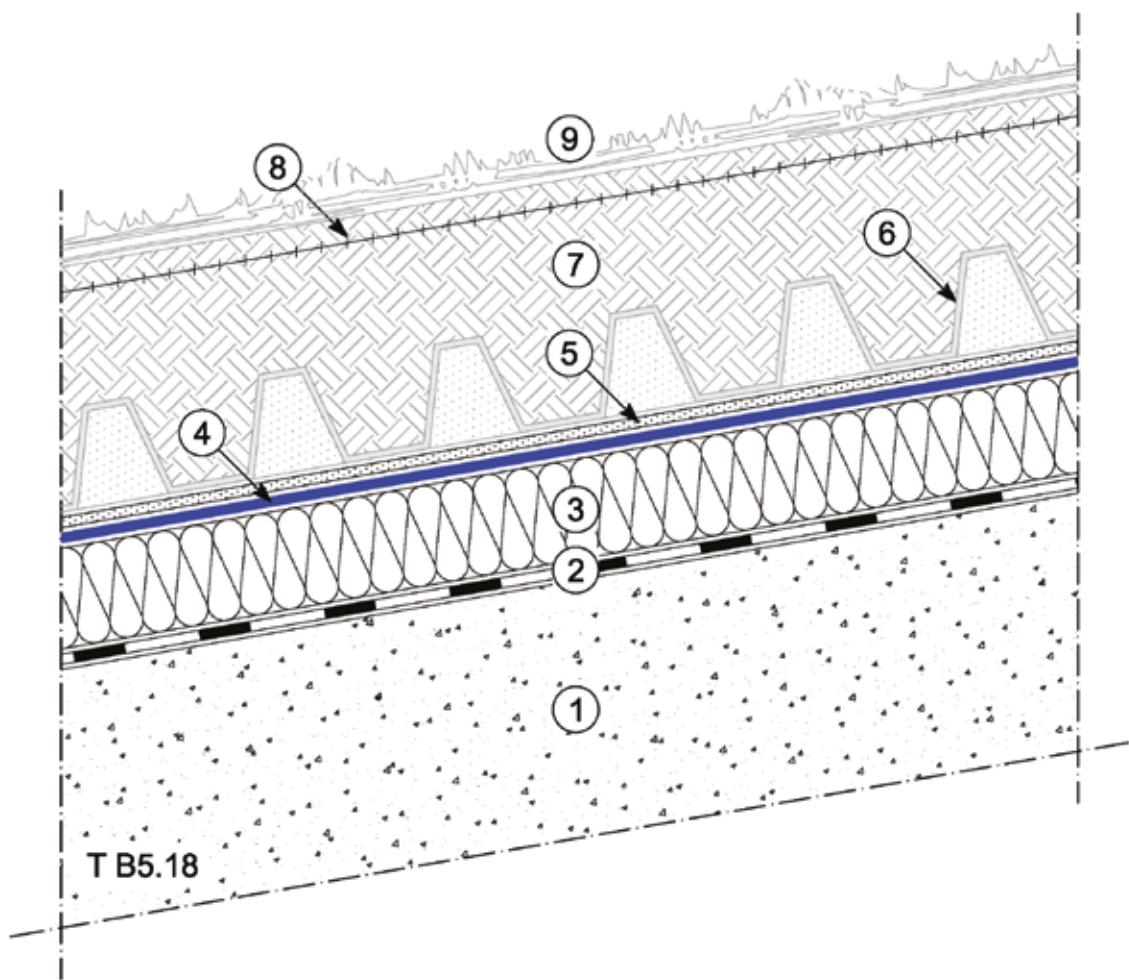
- ① Structure
- ② Vapour control layer - **POLYVAP**
- ③ Thermal insulation layer
- ④ Waterproofing membrane in FPO/TPO - **MAPEPLAN T B (15 - 18 - 20)**
- ⑤ Protection and drainage layer - Geocomposite
- ⑥ Drainage / water storage layer - Perlite bags
- ⑦ Filter layer - Geotextile
- ⑧ Growing substrate
- ⑨ Vegetation

Roof build-up T B5.17



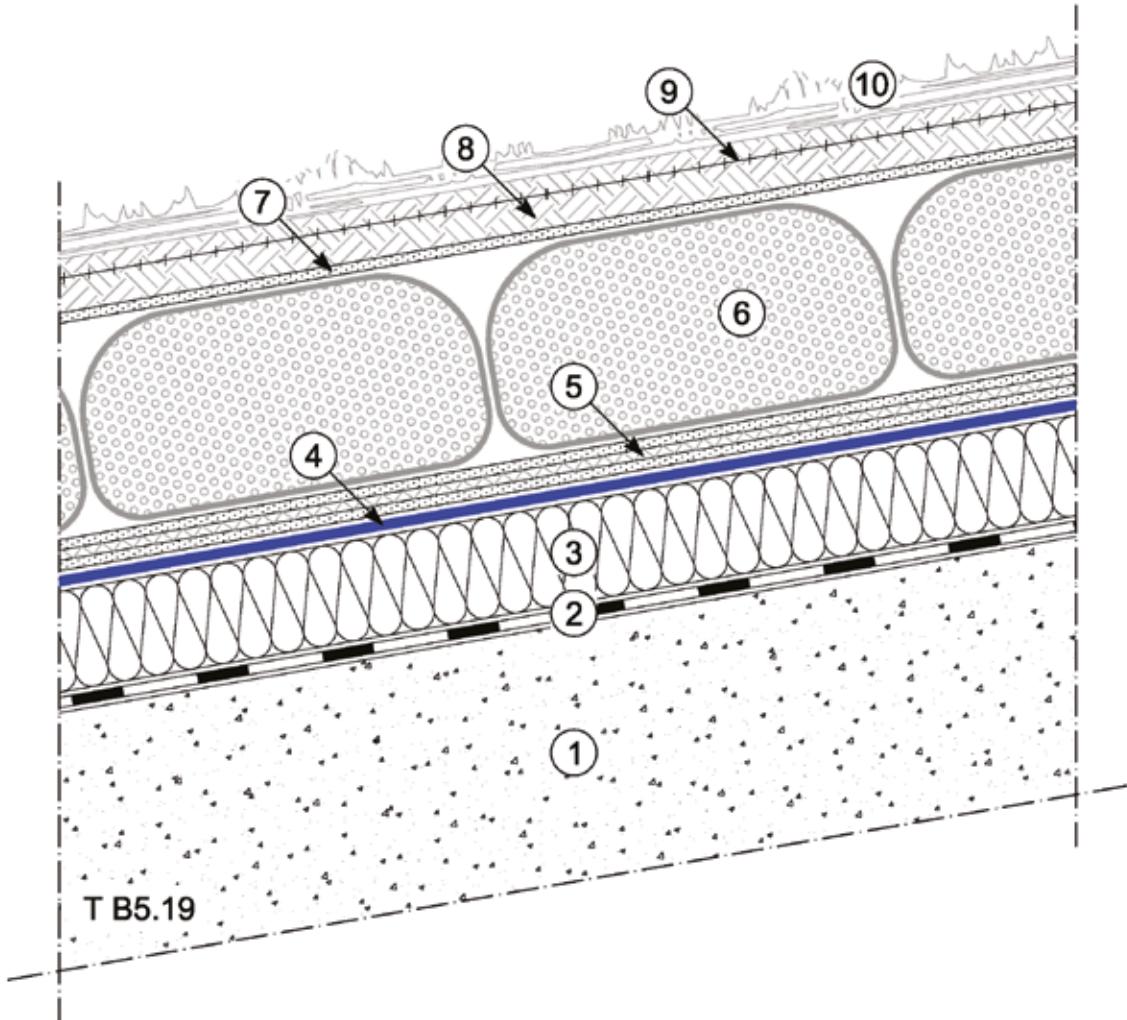
- ① Structure
- ② Vapour control layer - **POLYVAP**
- ③ Thermal insulation layer
- ④ Waterproofing membrane in FPO/TPO - **MAPEPLAN T B (15 - 18 - 20)**
- ⑤ Protection layer - **POLYDREN PP**
- ⑥ Drainage / water storage layer - Preformed EPS panels
- ⑦ Growing substrate
- ⑧ Erosion control layer (for pitch $\geq 15^\circ$)
- ⑨ Vegetation

Roof build-up T B5.18



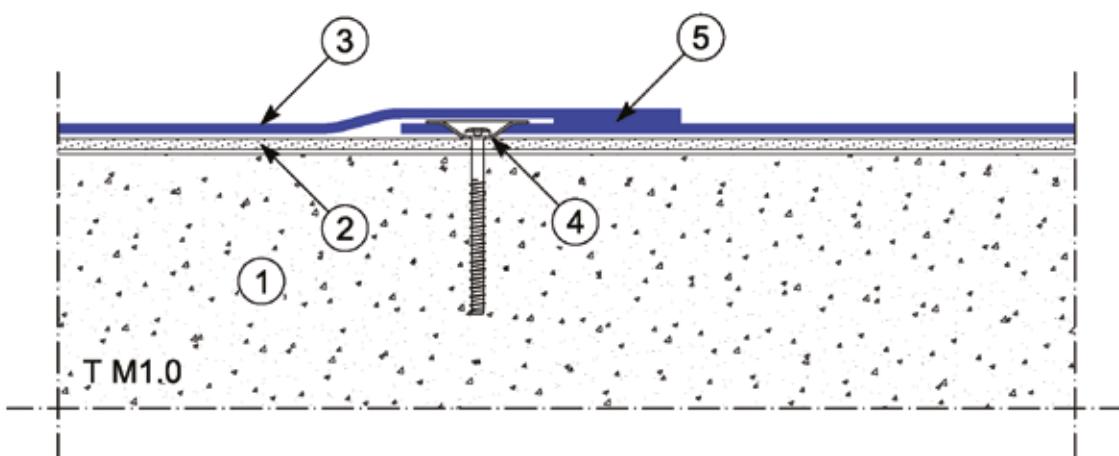
- ① Structure
- ② Vapour control layer - **POLYVAP**
- ③ Thermal insulation layer
- ④ Waterproofing membrane in FPO/TPO - **MAPEPLAN T B (15 - 18 - 20)**
- ⑤ Protection layer - **POLYDREN PP**
- ⑥ Drainage / water storage layer - Preformed HDPE elements
- ⑦ Growing substrate
- ⑧ Erosion control layer (for pitch $\geq 15^\circ$)
- ⑨ Vegetation

Roof build-up T B5.19



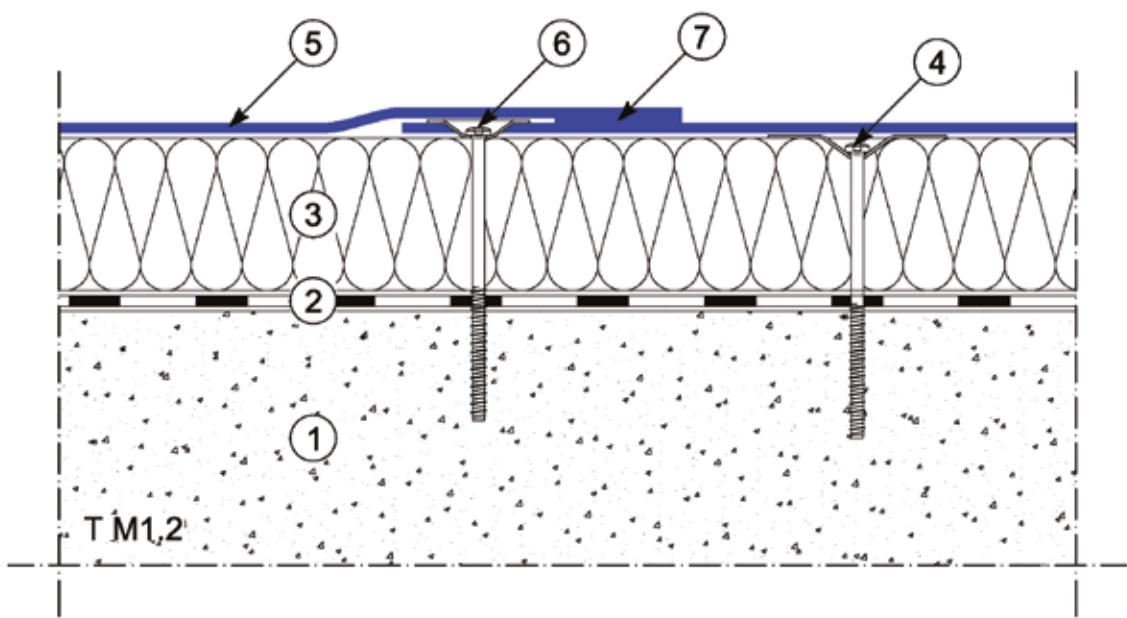
- ① Structure
- ② Vapour control layer - **POLYVAP**
- ③ Thermal insulation layer
- ④ Waterproofing membrane in FPO/TPO - **MAPEPLAN T B (15 - 18 - 20)**
- ⑤ Protection and drainage layer - Geocomposite
- ⑥ Drainage / water storage layer - Perlite bags
- ⑦ Filter or levelling layer - Geotextile (if necessary)
- ⑧ Growing substrate
- ⑨ Erosion control layer (for pitch $\geq 15^\circ$)
- ⑩ Vegetation

Roof build-up T M1.0



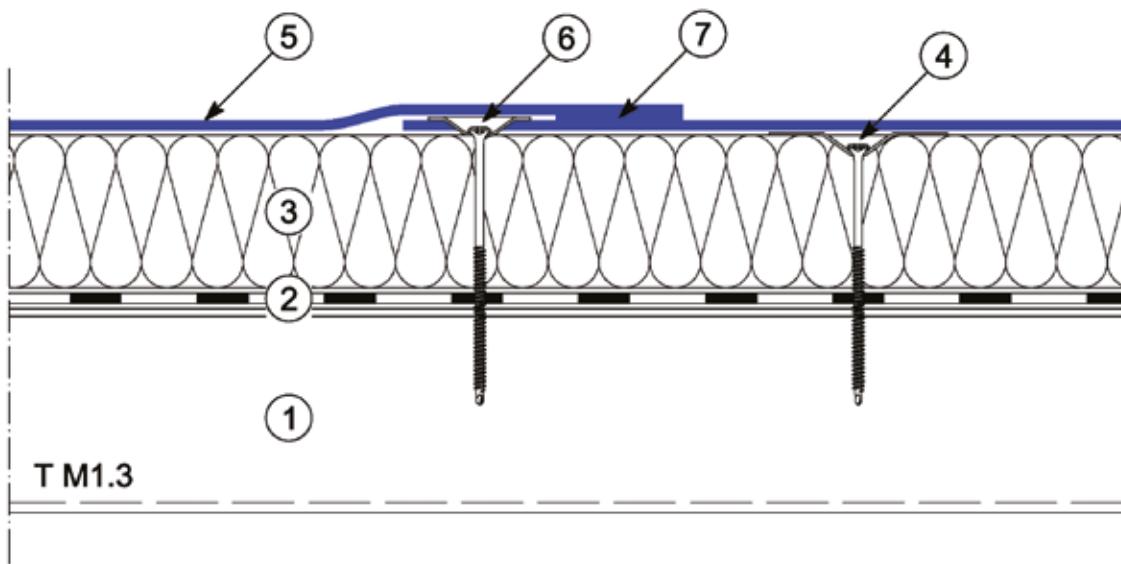
- ① Structure
- ② Levelling layer - **POLYDREN PP**
- ③ Waterproofing membrane in FPO/TPO
MAPEPLAN T M (12 - 15 - 18 - 20)
- ④ Mechanical fastening with stress plate
- ⑤ Welding

Roof build-up T M1.2



- ① Structure
- ② Vapour control layer
MAPEPLAN VB PE SD 220 or POLYVAP
- ③ Mechanically fastened thermal insulation layer
- ④ Mechanical fastening of insulation
- ⑤ Waterproofing membrane in FPO/TPO
MAPEPLAN T M (12 - 15 - 18 - 20)
- ⑥ Mechanical fastening with stress plate
- ⑦ Welding

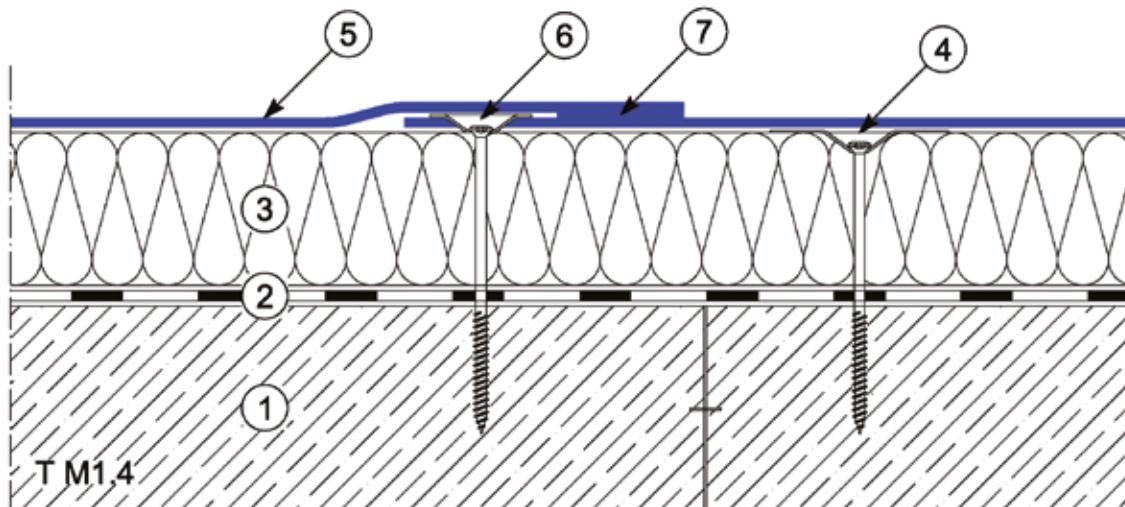
Roof build-up T M1.3



- ① Structure - Corrugated steel deck
- ② Vapour control layer
MAPEPLAN EVO SK or MAPEPLAN VB PE SD 220
- ③ Mechanically fastened thermal insulation layer
- ④ Mechanical fastening of insulation
- ⑤ Waterproofing membrane in FPO/TPO
MAPEPLAN T M (12 - 15 - 18 - 20) *1
- ⑥ Mechanical fastening with stress plate
- ⑦ Welding

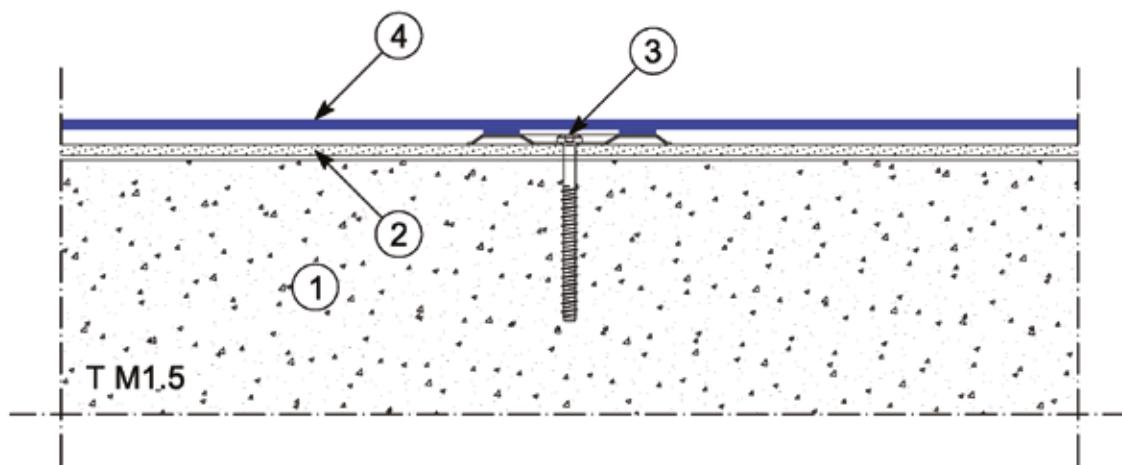
NOTE *1: When fixing in to a corrugated steel deck, the membrane must be installed at 90° to the decking profile

Roof build-up T M1.4



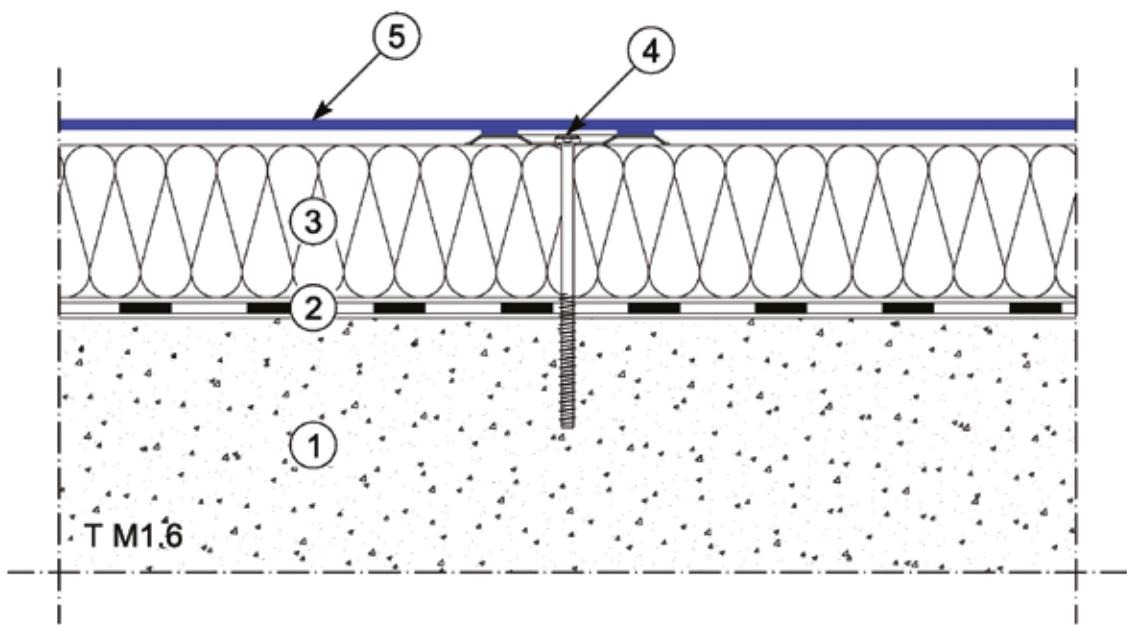
- ① Structure - Wooden deck
- ② Vapour control layer
MAPEPLAN VB PE SD 220 or POLYVAP
- ③ Mechanically fastened thermal insulation layer
- ④ Mechanical fastening of insulation
- ⑤ Waterproofing membrane in FPO/TPO
MAPEPLAN T M (12 - 15 - 18 - 20)
- ⑥ Mechanical fastening with stress plate
- ⑦ Welding

Roof build-up T M1.5



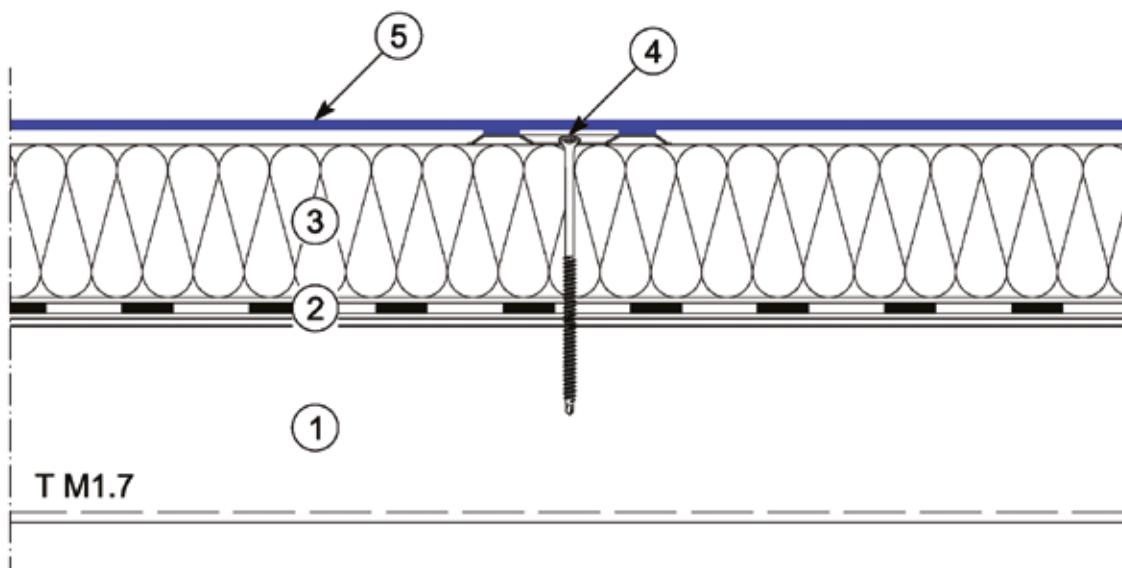
- (1) Structure
- (2) Levelling layer - **POLYDREN PP**
- (3) Induction welding mechanical fastening
- (4) Waterproofing membrane in FPO/TPO
MAPEPLAN T M (12 - 15 - 18 - 20)

Roof build-up T M1.6



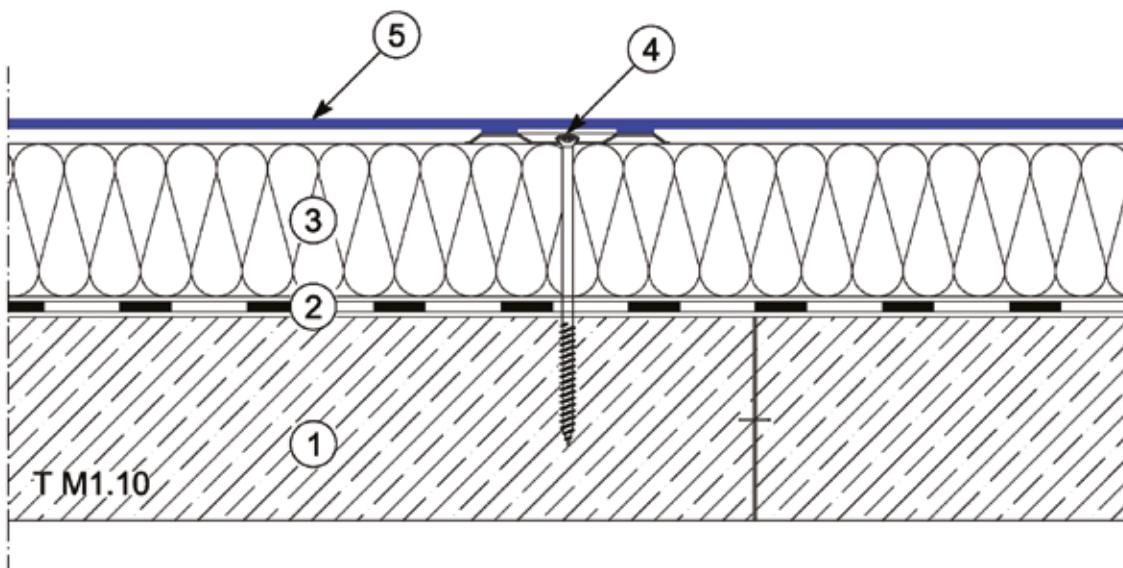
- (1) Structure
- (2) Vapour control layer
MAPEPLAN VB PE SD 220 or POLYVAP
- (3) Mechanically fastened thermal insulation layer
- (4) Induction welding mechanical fastening
- (5) Waterproofing membrane in FPO/TPO
MAPEPLAN T M (12 - 15 - 18 - 20)

Roof build-up T M1.7



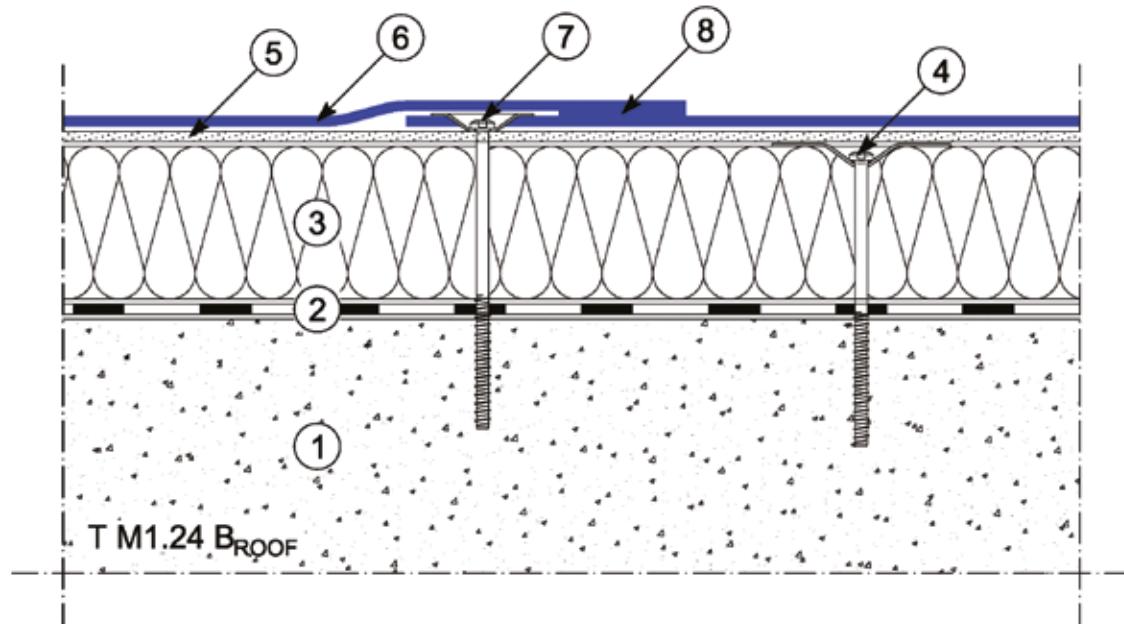
- ① Structure - Corrugated steel deck
- ② Vapour control layer
MAPEPLAN EVO SK or MAPEPLAN VB PE SD 220
- ③ Mechanically fastened thermal insulation layer
- ④ Induction welding mechanical fastening
- ⑤ Waterproofing membrane in FPO/TPO
MAPEPLAN T M (12 - 15 - 18 - 20)

Roof build-up T M1.10



- ① Structure - Wooden deck
- ② Vapour control layer
MAPEPLAN VB PE SD 220 or POLYVAP SA
- ③ Mechanically fastened thermal insulation layer
- ④ Induction welding mechanical fastening
- ⑤ Waterproofing membrane in FPO/TPO
MAPEPLAN T M (12 - 15 - 18 - 20)

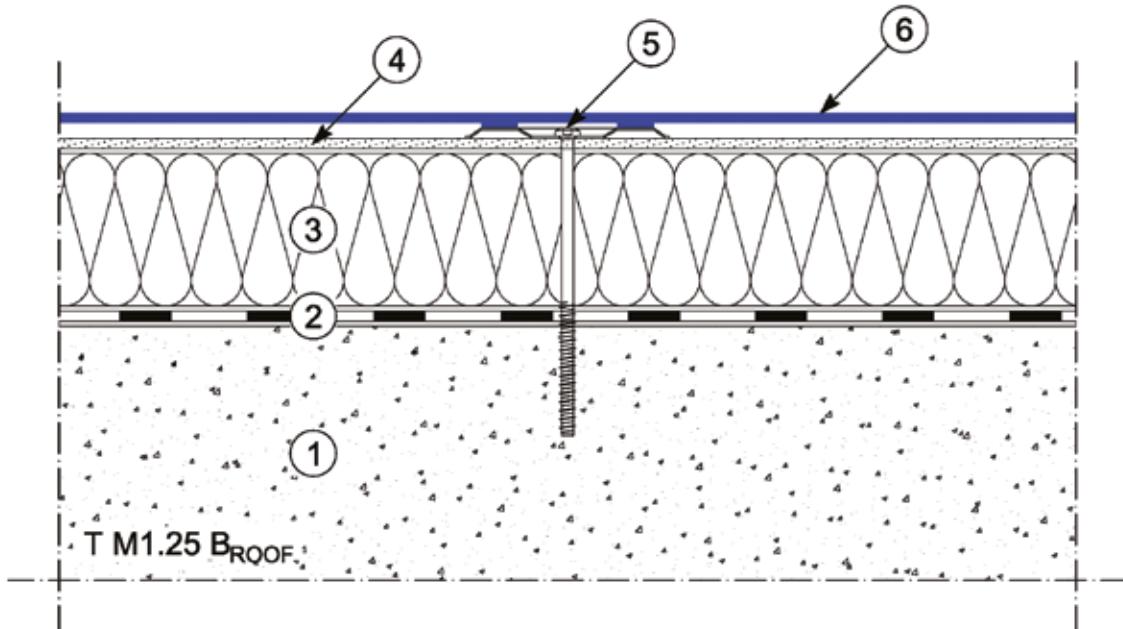
Roof build-up T M1.24 B_{ROOF}



- ① Structure
- ② Vapour control layer
MAPEPLAN VB PE SD 220 or POLYVAP
- ③ Mechanically fastened thermal insulation layer
- ④ Mechanical fastening of insulation
- ⑤ Separation layer
Glass veil 120 g/m² (if necessary, as per certification)
- ⑥ Waterproofing membrane in FPO/TPO
MAPEPLAN T M B_{ROOF} (as per certification)
- ⑦ Mechanical fastening with stress plate
- ⑧ Welding

NOTE : Classification B_{ROOF} (t1), B_{ROOF} (t2) or B_{ROOF} (t3) according to EN 13501-5.
Please check which build-up and materials have been tested and certified.

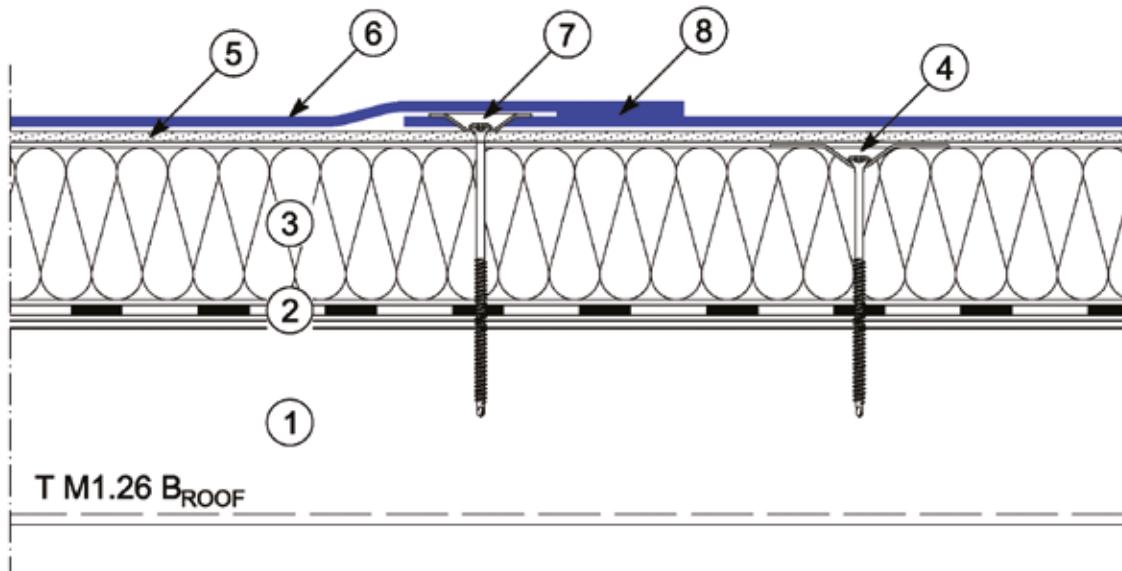
Roof build-up T M1.25 B_{ROOF}



- (1) Structure
- (2) Vapour control layer
MAPEPLAN VB PE SD 220 or POLYVAP
- (3) Mechanical fastening thermal insulation layer
- (4) Separation layer
Glass veil 120 g/m² (if necessary, as per certification)
- (5) Induction welding mechanical fastening
- (6) Waterproofing membrane in FPO/TPO
MAPEPLAN T M B_{ROOF} (as per certification)

NOTE : Classification B_{ROOF} (t1), B_{ROOF} (t2) or B_{ROOF} (t3) according to EN 13501-5.
Please check which build-up and materials have been tested and certified.

Roof build-up T M1.26 B_{ROOF}

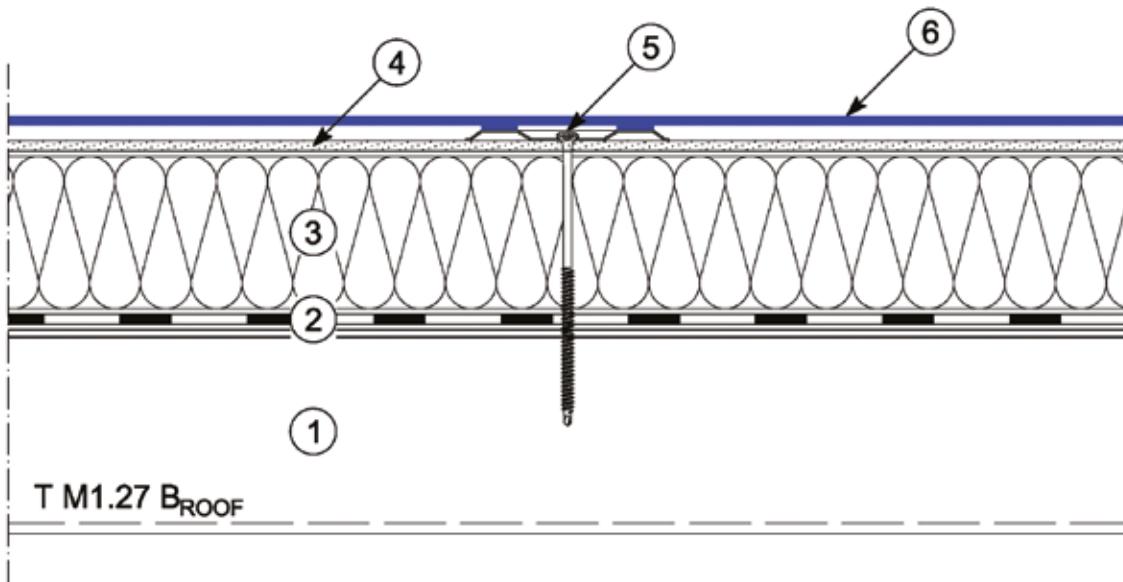


- ① Structure - Corrugated steel deck
- ② Vapour control layer
MAPEPLAN EVO SK or MAPEPLAN VB PE SD 220
- ③ Mechanically fastened thermal insulation layer
- ④ Mechanical fastening of insulation
- ⑤ Separation layer
Glass veil 120 g/m² (if necessary, as per certification)
- ⑥ Waterproofing membrane in FPO/TPO
MAPEPLAN T M B_{ROOF} (as per certification) *1
- ⑦ Mechanical fastening with stress plate
- ⑧ Welding

NOTE: Classification B_{ROOF} (t1), B_{ROOF} (t2) or B_{ROOF} (t3) according to EN 13501-5.
Please check which build-up and materials have been tested and certified.

NOTE *1: When fixing in to a corrugated steel deck, the membrane must be installed at 90° to the decking profile.

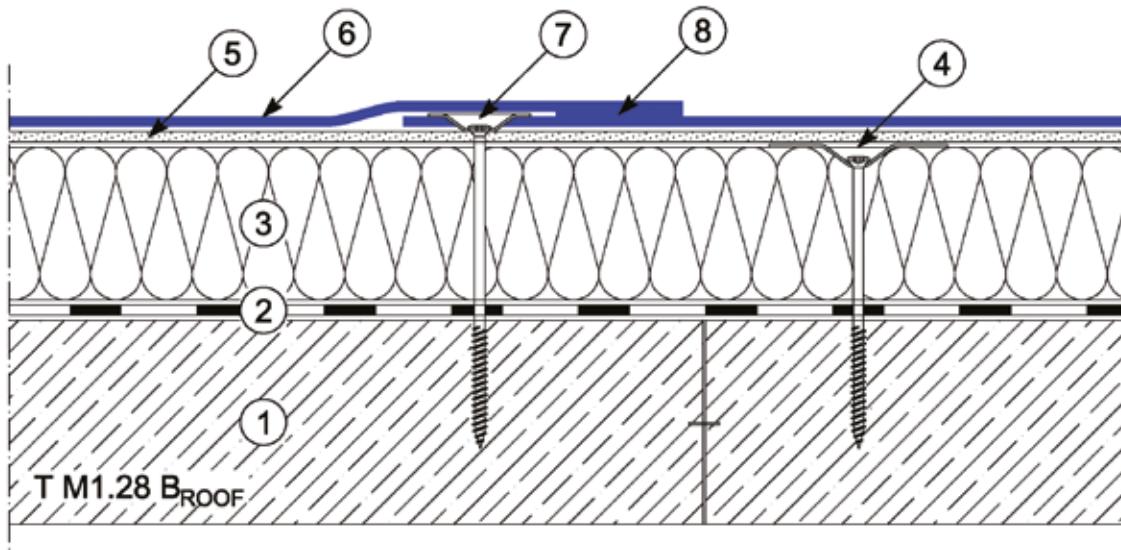
Roof build-up T M1.27 B_{ROOF}



- (1) Structure - Corrugated steel deck
- (2) Vapour control layer
MAPEPLAN EVO SK or MAPEPLAN VB PE SD 220
- (3) Mechanically fastened thermal insulation layer
- (4) Separation layer
Glass veil 120 g/m² (if necessary, as per certification)
- (5) Induction welding mechanical fastening
- (6) Waterproofing membrane in FPO/TPO
MAPEPLAN T M B_{ROOF} (as per certification)

NOTE: Classification B_{ROOF} (t1), B_{ROOF} (t2) or B_{ROOF} (t3) according to EN 13501-5.
Please check which build-up and materials have been tested and certified.

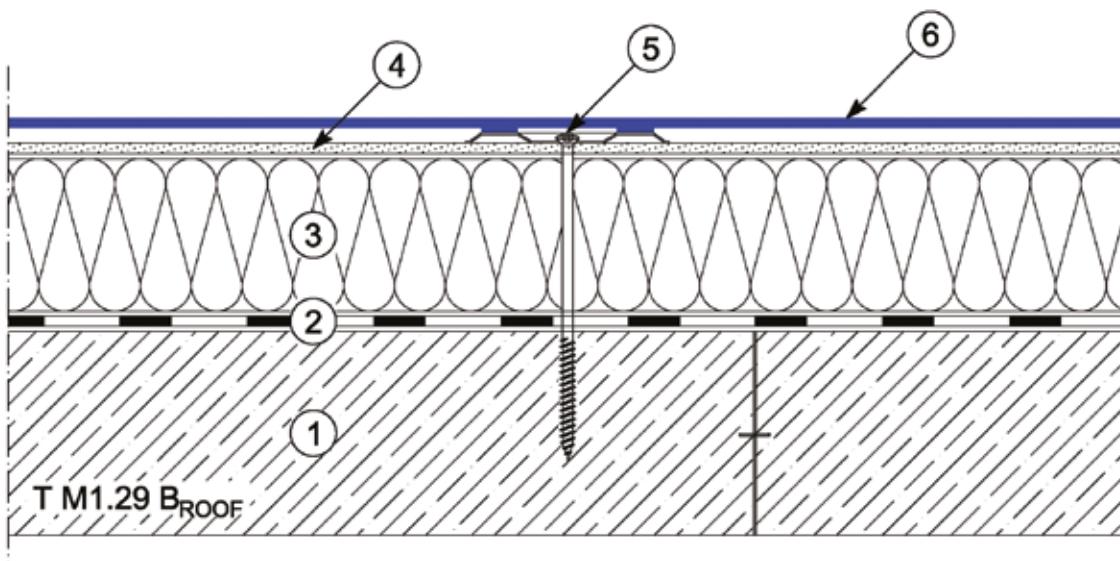
Roof build-up T M1.28 B_{ROOF}



- ① Structure - Wooden deck
- ② Vapour control layer
MAPEPLAN VB PE SD 220 or POLYVAP SA
- ③ Mechanically fastened thermal insulation layer
- ④ Mechanical fastening of insulation
- ⑤ Separation layer
Glass veil 120 g/m² (if necessary, as per certification)
- ⑥ Waterproofing membrane in FPO/TPO
MAPEPLAN T M B_{ROOF} (as per certification)
- ⑦ Mechanical fastening with stress plate
- ⑧ Welding

NOTE: Classification B_{ROOF} (t1), B_{ROOF} (t2) or B_{ROOF} (t3) according to EN 13501-5.
Please check which build-up and materials have been tested and certified.

Roof build-up T M1.29 B_{ROOF}



- ① Structure - Wooden deck
- ② Vapour control layer
MAPEPLAN VB PE SD 220 or POLYVAP SA
- ③ Mechanically fastened thermal insulation layer
- ④ Separation layer
Glass veil 120 g/m² (if necessary, as per certification)
- ⑤ Induction welding mechanical fastening
- ⑥ Waterproofing membrane in FPO/TPO
MAPEPLAN T M B_{ROOF} (as per certification)

NOTE: Classification B_{ROOF} (t1), B_{ROOF} (t2) or B_{ROOF} (t3) according to EN 13501-5.
Please check which build-up and materials have been tested and certified.

RELATED TECHNICAL DOCUMENTS

The technical literature mentioned below can be accessed via the website www.polyglass.com



Technical book ROOFING SYSTEM MAPEPLAN® T FPO/TPO

This document contains technical information of roofing system doable with MAPEPLAN® T waterproofing membranes.



Use, inspection and maintenance SYNTHETIC WATERPROOFING MEMBRANES MAPEPLAN® T FPO/TPO

This document contains more in-depth technical information on the use, inspection and maintenance of MAPEPLAN® T waterproofing membranes.



MAPEPLAN® T FPO/TPO installation manual

This document contains correct, detailed instructions on installing and laying MAPEPLAN® T waterproofing membranes.



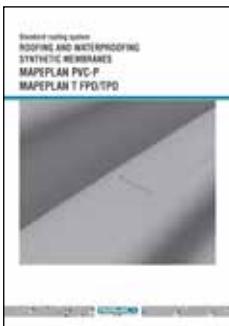
Technical book WATERPROOFING SYSTEMS FOR GREEN ROOFS MAPEPLAN® T B

This document provides technical, design and construction information and solutions for the correct installation of green roof waterproofing and thermal insulation systems, with the use of MAPEPLAN® T B flexible polyolefin (FPO/TPO) synthetic waterproofing membranes.



Technical book SINGLE PLY WATERPROOFING SYSTEMS FOR MECHANICALLY FASTENED ROOFS MAPEPLAN® T M

This document provides technical, design and construction information and solutions for the correct installation of single ply waterproofing systems for mechanically fastened roofs, with the use of MAPEPLAN® T M flexible polyolefin (FPO/TPO) synthetic waterproofing membranes.



Standard roofing details ROOFING AND WATERPROOFING SYNTHETIC MEMBRANES MAPEPLAN® T FPO/TPO

This document contains the collection of some standard roofing details that can be realized with MAPEPLAN T waterproofing membranes.

Standard roofing system ROOFING AND WATERPROOFING SYNTHETIC MEMBRANES MAPEPLAN® T FPO/TPO

MKPL2071030 - 09/22



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