

## ROOFING SYSTEMS

(CONNECTION TO THE CONSTRUCTION)

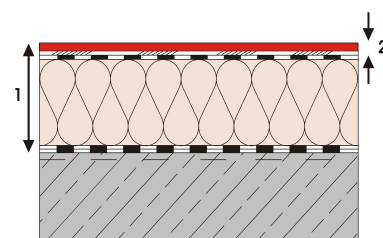
### General

A flat roof always consists of a support structure and a roof deck which combined are referred to as the substructure. This substructure is be decisive in the choice and method of attachment a Hertalan EPDM roofing system.

### Definitions

First, it is wise to elucidate several definitions

- / Supporting structure: these are the components of a building that acts as the structure supporting against external forces (e.g., wind, snow and dead load) discharging into the foundation.
- / Roof deck: has a function as a sealing layer and an insulating function against the heat and cold. The roof deck has a supporting function for the waterproofing and is sufficient to withstand foot traffic.
- / Substructure: the structural part of the roof which can help determine the choice of the roofing system.
- / Roofing Construction: these are all material layers above the substructure, such as a vapour barrier, thermal insulation and roofing system.
- / Roofing system: it consists of one layer EPDM roofing with all details and joints (connections). These can be determined according to the method of the substructure construction.



1- Roofing construction  
2- Roofing system

### Standards and regulations

Both the design of a roofing construction and the installation of a roofing system must meet strict requirements. These requirements are partially required by the market and partly by legislation (Building Regulations).

Hertalan has a wide product range of EPDM systems and accessories, suitable for all general flat roof systems. With *hertalan* easy cover and *hertalan* easy weld, Hertalan offers a complete package of EPDM membranes, sheets and complementary accessories suitable for traditional non-ventilated flat roofs up to special flat roof structures such as loose laying with ballast or an adhesive or mechanical fixation according to wind load calculations.

Hertalan has developed a wide range of accessories as solutions for specific details. The Hertalan EPDM accessories range consists of tools for installing Hertalan EPDM systems. This includes for example cover strips, flashing, flat roof drains, pipe covers, fixings, internal and external corners.

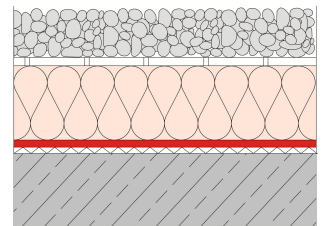
### Roofing systems

Hertalan has a wide product range of EPDM systems and accessories suitable for all general flat roof systems

#### / Loose laid and ballasted roofing system

These can be applied under the condition that the substructure is capable of withstanding the extra weight of the ballast layer.

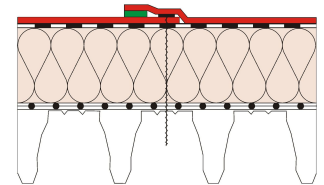
Product choice: *hertalan easy cover* or *hertalan easy weld*



#### / Mechanically attached roofing system

EPDM roofing membrane or sheet mechanically connected to the substructure. This type of system does not require a protective layer of gravel or a green roof.

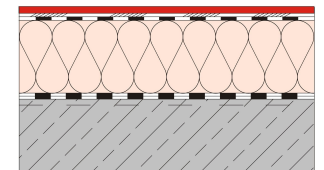
Product choice: *hertalan easy cover MF* or *hertalan easy weld MF*



#### / Partially adhered roofing system

EPDM roofing membrane or sheet partially adhered to the substructure. This type of system does not require a protective layer of gravel or a green roof.

Product choice: *hertalan easy cover* or *hertalan easy weld*.



#### / Fully adhered roofing system

EPDM roofing membrane or sheet fully adhered to the substructure. This type of system does not require a protective layer of gravel or a green roof.

Product choice: *hertalan easy cover* or *hertalan easy weld*.

