

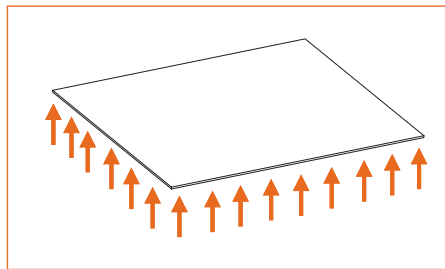
Introduction

SUPPORT SYSTEMS



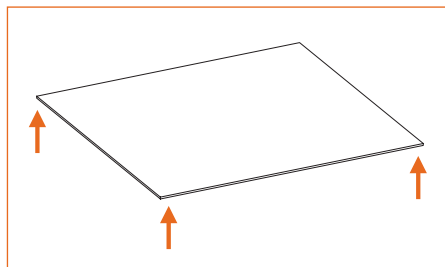
Kangwon University - Dormitory, Chuncheon (South Korea) - Architect(s): San - Contractor(s): Sunnie International

VM ZINC® systems used for envelope applications are divided into 2 groups:



■ **Systems with a continuous support**

- Standing seam
- Flat lock seam
- DEXTER
- ADEKA



■ **Framework fixing systems**

- Interlocking panel
- Sine wave panel
- HPS cassette system
- FPS cassette system

A Umicore brand



Systems with a continuous support (roof & facade application)

The support must:

- be rigid for all parts where VM ZINC® cladding is installed
- meet loading requirements in compliance with the national code of practice
- comply with the 50 daN requirement for each fixing element.

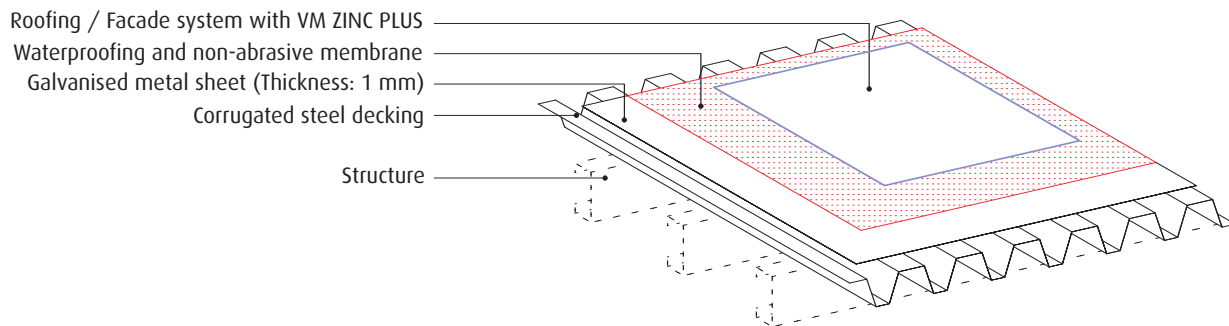
Ventilated and non-ventilated systems can both be used.

The system should take into account local climatic constraints: high hygrometry, heating systems.

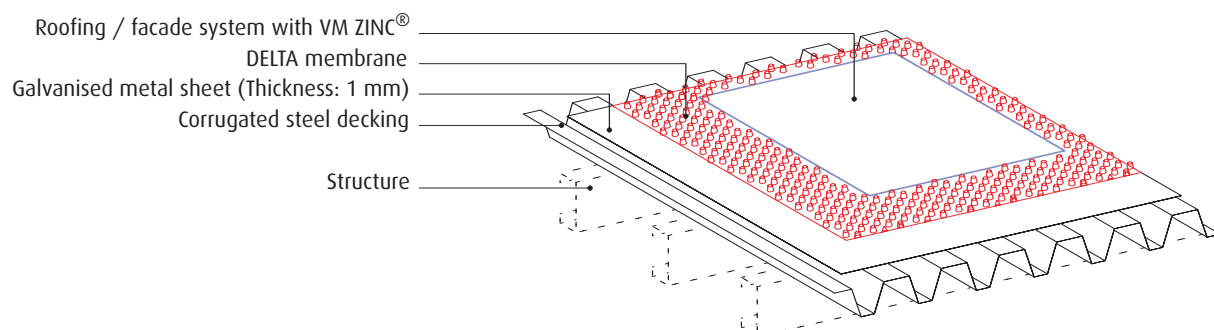
It should meet acoustic and fire resistance requirements.

Examples of a system with a continuous support (non insulated)

VM ZINC PLUS system laid on a continuous metal decking

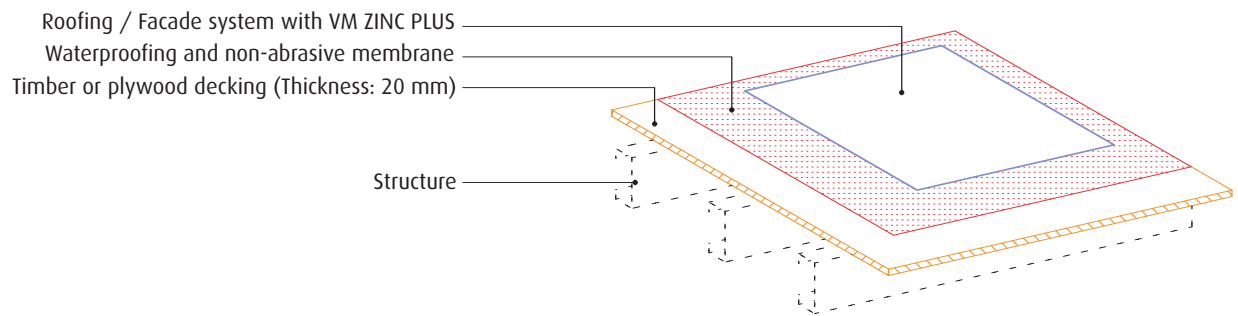


VM ZINC® with DELTA membrane system laid on a continuous metal decking

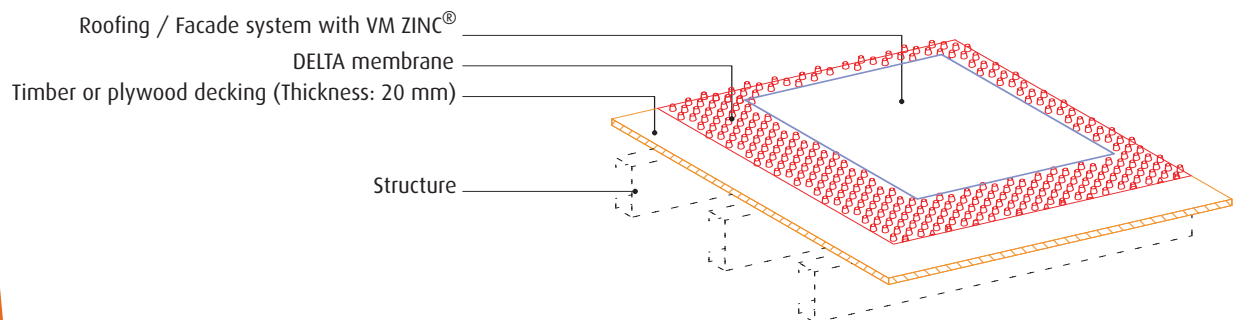




VM ZINC PLUS system laid on a continuous organic decking



VM ZINC® with DELTA membrane system laid on continuous organic decking



Framework fixing systems

(facade application)

The VM ZINC® system is fixed on a framework. This framework must:

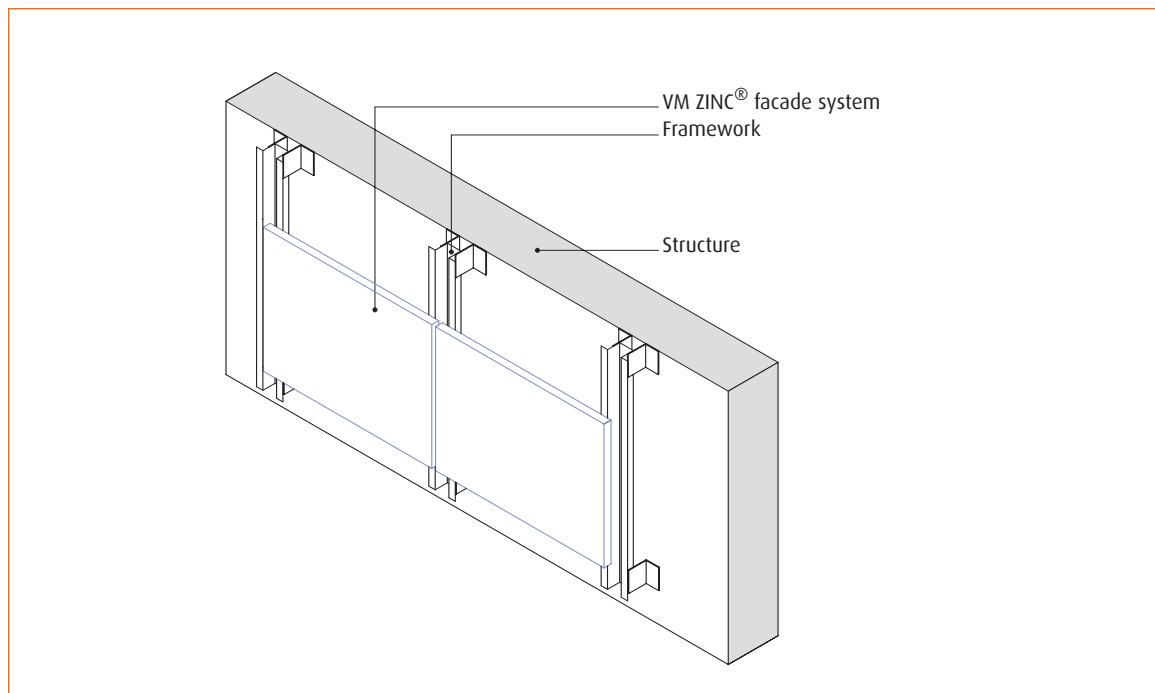
- comply with the usual rules and the national code of practice
- ensure efficient support of the cladding fixing system
- be designed to allow easy and aesthetic installation of the cladding system.

A ventilated cladding complex will mostly be used.

The cladding complex should take into account local climatic constraints: high hygrometry, heat system.

It should meet acoustic and fire rate requirements.

Basic diagram of VM ZINC® system laid on a framework fixing



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