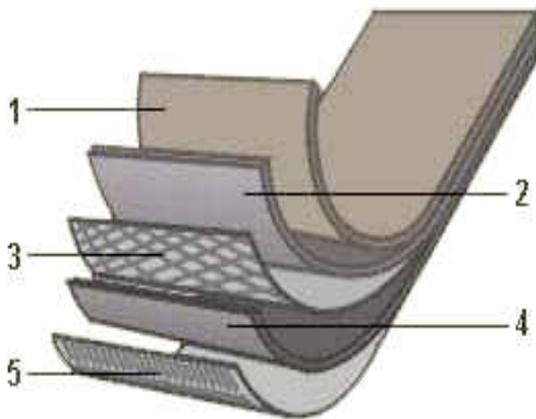


Roofing membrane with GFM+Aluminium foil inside

Application on the CZ Market

The carrier – glass fibre mat (GFM) laminated with Al foil is used generally in the production of bituminous membranes for two basic applications.

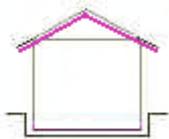
The construction of the bituminous membrane with GFM+ALU foil is usually as follows:



1. upper surface – fine sand
2. bitumen layer, up to 1mm
- 3. carrier – GFM laminated with Alufoil 7um**
4. bitumen layer, up to 1mm
5. bottom surface – PE foil

This type of bituminous membrane is used on the Czech market especially in two main applications:

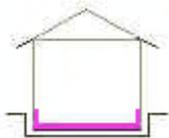
1. on the roof as a vapor barrier, is used mainly in a two-layer system with typical characteristics:



Weight per area unit: 3900 g/sqm
Thickness : 3,5 mm

2. in the foundations of the building as a RADON Gas barrier,

a single or double layer system is used depends on the Radon intensity on site, where building should stand in the future.*)



The typical characteristics are:

Weight per area unit: 4500 g/sqm
Thickness : 4,0 mm

*) according to the CZ regulations for the building

Traditionally, in the past an Alu foil-60um was only used for the production of such bituminous membranes in the Czech Republic.

Most of the important bituminous membrane producers in the Czech Republic have successfully tested the new product – GFM with Alufoil over the last 10 years.

The significant advantages of this new product GFM+ALU are:

- higher productivity due to higher speed on the production line – comparable to GFM
- easy roll manipulation
- better adhesion of bitumen
- the price of GFM+ALU is comparable to Alufoil 60um

