

APPLICATION AREAS

- + + Gluing of slate on floors and steps
- + + Gluing of slate on terraces
- + + Gluing of slate on façades

SYSTEM DESCRIPTION

Systemet består av produkter för limning av skiffer både The system comprises products for gluing slate, both indoors and outdoors. The products used do not contain any organic solvents, and are virtually odourless during application.

The system ensures rapid installation and use, and the final product does not entail any health or environmental risks for the user.

CHARACTERISTICS

Adhesion between concrete and membrane after 28 days' hardening was investigated. No primer was used.

Slate type	Glue Type	Adhesion	Comment
Offerdal	Megarapid 2K Plus (C2 FTE, S2)	2,56 N/mm ²	Rupture in concrete
Offerdal	Conbit, limemørtel	0,85 N/mm ²	Rupture in glue layer
Oppdal	Megarapid 2K Plus (C2 FTE, S2)	1,60 N/mm ²	Rupture in slate
Oppdal	Conbit, limemørtel	0,53 N/mm ²	Rupture in glue layer

Adhesion requirement is generally at least 0.5 N/mm².².

SYSTEM STRUCTURE

Underlay/preparation

The underlay must be level, dry, clean and free of oil, grease, etc. As required, the underlay can be sanded or established with a suitable casting or levelling compound

1 1 Irrigation or primer

Primer G – acrylic primer 1:1 with water, with use (concentrated) of around 0.1 litre/m²

The underlay is irrigated, or **Primer G** is applied with a roller for optimum adhesion.

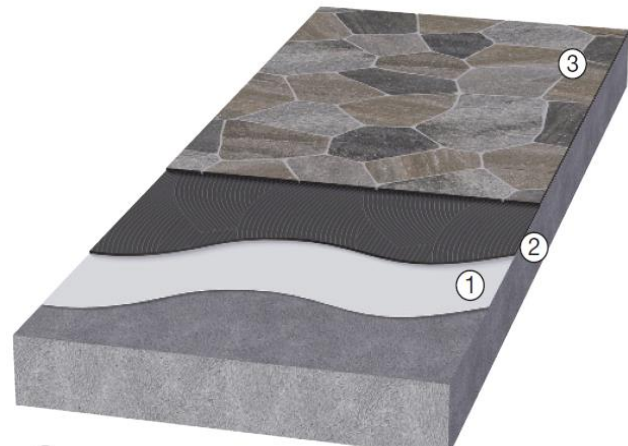
Membrane – as required

Mapelastic – two-component cement-based diffusion-open membrane for water-sealing and protection of concrete surfaces.

Mapenet 150 – reinforcement mesh for mapelastic
Mapeband Easy – joint tape



Membrane is applied at a thickness of at least 2 mm, and will protect the underlying structure and reduce the risk of scale deposits on outdoor use.



2. Gluing of slate

Megarapid 2K Plus – C2 FTE S2 highly-flexible thixotropic adhesive with long open time and reduced scale deposits, or **Conbit** – cement-based, rapid-hardening adhesive mortar for thicknesses of up to 25 mm.

The glue is applied as double gluing, i.e. on both the back of the slate and on the underlay.



3 Grouting of slate

Megafug G – single-component cement-based sealant for joint breadths of 4-12 mm.

Megafug F Plus – single-component water-repellent cement-based sealant for joint breadths of 2-6 mm.

Slate sealant – single-component cement-based sealant for sealing naturally level, unevenly-edged slabs.



Finishing

Impregnating the slate will make daily cleaning easier and reduce the risk of grease and chemical stains.

The dealer or producer of the slate can suggest different sealing products and solutions.

Related products

Mapecrete Stain Protection – single-component hydro-oil repellent and anti-stain treatment for concrete and natural stone.

OTHER INFORMATION

+ Product data sheets (TDS) and safety data sheets (SDS) are available at www.mapei.no

+ O&M documentation