

# Assembly Instructions

## Light Oppdal and Offerdal quartzite

Glued facades are increasingly used to install natural stone facades. The fixing method is invisible, installation is simple, and the system offers the option to use the slates in both a horizontal and landscape direction. The facade solution allows you to use slate in small dimensions and small thicknesses, resulting in lower transport costs and easier handling on the construction site. Our slate is very well suited as facade panels.

### FACADE - GLUE VENTED

#### TECHNICAL DATA

Geology:	Scandinavian metamorphic rocks, 750 and 650 million years old
Quartz content:	39 - 46 %
Flexural strength:	35,6 - 44,8 MPa
Water absorption:	0,1 - 0,2 weight %
Unit weight:	2700 kg/m <sup>3</sup> (e.g.: 1m <sup>2</sup> facade in thickness 12 mm = 32 kg)



LOW CARBON FOOTPRINT



FROST PROOF



MAINTENANCE-FREE



REUSABLE



SALT/ACID-PROOF



#### SLATE PRODUCT

Slate type:	Light Oppdal quartzite, Offerdal quartzite
Surfaces:	Natural, antique brushed, silk brushed
Edges:	Sawn
Format:	Any size within min/max: H: 200 - 600 mm, L: 300 - 1200 mm, T: 10 - 30 mm Fixed lengths and fixed thickness (calibrated) Different heights can be combined

#### CALCULATION OF SLATE QUANTITIES

Orders are placed based on actual areas to be covered (taking into account off-cuts towards windows and corners).

#### WEIGHT

The slate's specific weight is 2700 kg/m<sup>3</sup>. As an example will 1 m<sup>2</sup> of facade slate with thickness 12 mm weigh about 32 kg:

$$2700 \text{ kg/m}^3 \times 1 \text{ m}^2 \times 0,012 \text{ m} = 32,4 \text{ kg/m}^2$$

#### CONSTRUCTION

1. Supporting structure
2. External insulation
3. Wind protection
4. Slate

Aluminium profiles are built out on brackets, which are mounted against the existing wall construction to accommodate external insulation. External insulation and wind barrier:

#### SLATE FIXING

The slates and profiles are cleaned using a special cleaning fluid prior to adhesion.

The slate is glued directly onto the profiles using special structural adhesive.

In addition to the adhesive, a double-sided adhesive tape is used to hold the slate panels in place while the structural adhesive set.

NB: The system places strict requirements on temperature and humidity during installation.

