

Instructions for use: *Facades*

PRODUCT GUIDE

For cladding a facade with *Slate-Lite* a curtain wall should be selected.

REASON

Slate-Lite is not open to vapor diffusion. If *Slate-Lite* is installed directly on the facade, the airflow will be interrupted and the removal of moisture can not be guaranteed.

CONSEQUENCES

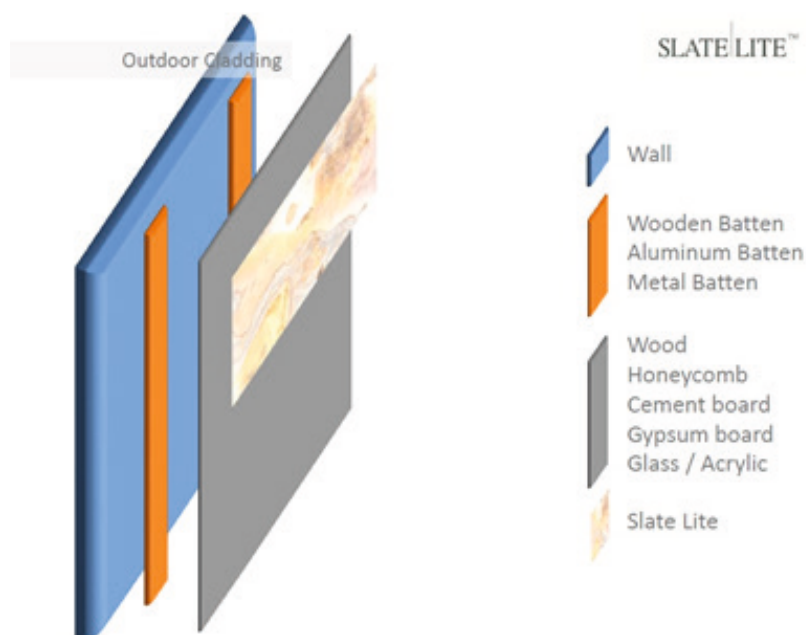
Mold in the interior; moisture can not escape and concentrates between *Slate-Lite* and house wall. Flaking of the material is possible when the temperature fluctuates (heat/cold). In long term, even the house wall can be attacked.

EXCEPTIONS

In countries where it is hot all year and an air conditioner is used, *Slate-Lite* can be glued directly onto the facade, because the air conditioning ensures the drying of the air.

If a facade is already sealed with paints, styrofoam or waterproofing materials, *Slate-Lite* can be glued directly onto the facade, as here a vapor barrier already exists, that is not reinforced by *Slate-Lite*.

If there is already a sub-structure for a different cladding, no more batten construction must be mounted and *Slate-Lite* can be applied directly.





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(1) SUSPENSION

A lath structure of wood, aluminum or other metal must be attached to the wall first. **WARNING:** wooden slats must be weatherproof!

Please be also aware, that slats made of aluminum and wood can expand with temperature fluctuations.

(2) CARRIER PLATES

Supporting plates are screwed to the substructure, with one slot with about 5 cm above and below. The distance between the house wall and supporting plate should be also about 5 cm. Therefore a proper circulation and removal of moisture is ensured.

Suitable supporting plates are: wood (protected from the weather), honeycomb panels, plasterboards, glass, metal, plastic plates, stone, styrofoam, Sto-Ventec plates (micro-glass beads), fiber cement etc.

(3) SLATE-LITE

After the first two steps the *Slate-Lite* sheets can be mounted on the carrier plates.

SUITABLE ADHESIVES

The following adhesives are particularly suitable for the use on the facade:

Soudaseal 240 FC

Not used by professionals, but in the private sector.

PU-Adhesives

Material has to be fixed, since the adhesive has no initial adhesion. Particularly suitable when the sheets are pressed in advance on the carrier plates, and are attached after that.

Depending on the thickness of the carrier plate, a counter draw must be used in order to prevent buckling of the plates.

As this is a reaction adhesive it is not suitable to use on styrofoam, because styrofoam is very sensitive and would melt.

Epoxy

No fixing of the sheets necessary, because of the strong initial adhesion.

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PCI Collastic

No fixing of the sheets necessary, because of the strong initial adhesion.