



Installation instructions

SMARTPANEL

Smartpanel is a contemporary wall cladding with either smooth or structured surface with visible brush strokes. There is a choice of different colours and patterns. The cladding is fitted straight on to existing wall or onto studs.

Benefits with Smartpanel

- Simple and quick to install
- Produced in MDF which has got little movement
- Hidden nails prevents cracks in the joints
- Fitted straight onto existing wall/stud partitions
- Only adds 11 mm to the wall
- no knots needing special treatment
- UV varnish protects the surface

Smartpanel is not suitable for wet areas.

IMPORTANT BEFORE INSTALLING

Smartpanel Trend is produced for Nordic conditions and it is therefore important to check/measure the humidity in the installation room. The humidity must always be between RH 35-65% (Climate class 1). Too low or too high humidity could with time lead to shrinking or swelling of the panels. Such damage will not be covered under warranty. It is also important that the panels are acclimatized (18-20°C) in the room they are due to be installed, for minimum 48 hours before installation. Before installation it is important that you check the panels for visible fault/damage. Do not install panels with visible faults/damage. Any complaints regarding faults/damage made after installation is invalid. If you are in doubt please contact your supplier.

Smartpanel can be fitted in all rooms but wet rooms. The Smartpanels must not be installed in rooms longer than 10 meters without expansion sealant. The panels must be stored on a dry and steady surface.

Acclimatization

All casting and polish work must be finished in good time (minimum 14 days) before installation, and the building must be heated and ventilated before the Smartpanel Trend are installed. The temperature must be over 18-20°C and the humidity between RH 35-65%. The panels need to be acclimatized and aired on site 2-3 days before installation.

In order to install you need:

- Saw
- Hammer, nail gun or cordless drill
- Water
- Smart installations glue (only when gluing on existing wall)
- Pencil
- Nails/staples or special screws
- Acrylic sealant

Tips:

Smartpanel combined with smooth Smartlists along the floor and ceiling, around doors and windows, gives a nice and stylish modern wall. The lists are produced in MDF – material that gives an even, pretty surface. The surface is Egg white (S 0502-Y) and can easily be over painted if you so wish. See www.smartpanel.co.uk for the full Smartpanel range.

The panels are installed onto the studs with the following materials:

Staple: Minimum leg length 35mm, 10-11mm back length, c/c 150mm

Nails: heat delayed square head 1.7/35, c/c 25 mm

Screws: Bk 3.0 x 3.0/35mm or equal

INSTALLATION OF SMARTPANEL

Smartpanel is fitted straight onto existing wall or onto studs, vertically or horizontally. The material on the existing wall must be even, firm and free from any dust or dirt. The tongue and groove system is specially designed to create a sharp and beautiful finish as the nails are all hidden.

It is not necessary to glue the panels however, if stronger and more washable surfaces are wanted then winter glue (D3) can be used. The glue is applied in one string on the groove. With use of the glue on a concrete wall, Bostik or Casco is used. If extra strong joints are wished for, add a mach stick sizes pearl of acrylic on the tongue. This gives extra protection against moisture when washing the walls.

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Start in the corner with the groove turned against the corner. The first panel needs to be measured up to ensure it is level. The panels need to be nailed in line with the floor/ceiling, which will be hidden later with lists. Ensure to press the panels thoroughly into place, and then nail the groove with 20-25cm distances in between.

Calculate in 5 mm for expansion towards the floor/ceiling. All internal/external corners must also have 2 mm expansion space.

In the corner joints you can use Smartpanel Acrylic sealant in the same colour as the delivered panels. The sealant applies in the groove in one line. The required sealant amount is approximately 1-2mm round bead.

It is recommended to use internal and external corner lists (Smart Flex lists), which will hide the noggin. MDF can be sawn with an ordinary saw/electric saw, and nails without predrilling like natural wood

Painting

When recoating/maintaining ensure all dust and dirt has been removed from the panel. Always wash the panel with grease solution washing liquid before starting the recoating. Key up the surface with a fine sandpaper (180-220).

Always paint 2 coats with water based/oil based acrylic paint suitable for interiors. Use brush or roller. It would be beneficial to use primer undercoat as this will give a nicer result and will make it easier to apply the paint.

NB! Some colour discrepancies can occur when mixing by NSC code