Superwand System

Efficient thermal insulation from the inside

New:
Contact adhesive Superwand

- Stop the problems of **mould and black spots!**
- **Avoiding energy losses** up to 54 %*
- Extremely **pressure-resistant and stable** due to the **high-density PU panel**
- **Simple** and **dust-free installation**
- **Ideal for renovation work,** as it does not require any modification to doors windows, etc.
- Can be **easily covered with wallpaper, painted plastered or even tiled**
- With integrated **vapor barrier**

* Confirmed by the Frauenhofer Institute for building physics.

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The Superwand system – Product overview

Superwand DS:
The Superwand panel is specially designed for thermal insualtion from the inside. The integrated aluminum foil act as vapor barrier and immediately prevents the creation of new mould behind the insulation board. In addition, the Superwand DS offers an optimal thermal insulation with a minimum thickness (thickness 10 and 20 mm).

Form of delivery

Superwand DS
Format of panels: 80 x 125 cm

Art. no.	thickness	box with
33000	10 mm	10 panels
33010	20 mm	5 panels

Superwand PRO:
The Superwand PRO is characterized by an extremely high thermal conductivity. Already with a thickness of 30 mm, the Superwand PRO reduces heat losses by up to 50 %. Energy savings of up to 46 % can be achieved. Like the Superwand DS, the Superwand PRO is also used for permanent mould remediation and inside thermal insulation. Say goodbye to your mould problems once and for ever!

Form of delivery

Superwand PRO
Format of panels: 78 x 123 cm

Art. no.	thickness	box with
33500	30 mm	5 panels
33501	50 mm	3 panels

Superwand insulation wedge:
The insulating wedge is used to treat thermal bridge problems in ceilings and internal nested walls in the event of mould in an area of 10 to 15 cm. Application identical to Superwand panels, gluing over the entire surface.

Form of delivery

Superwand insulation wedge
Wedge format: 30 x 100 cm

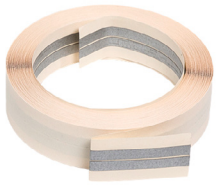
Art. no.	thickness	box with
33105	20/3 mm	10 wedges

Superwand soffit panel:
The soffit panel is a slim version of the Superwand panel, developed for application in confined areas such as, at window hinges. The soffit panel has a PU core with integrated aluminium vapor barrier on both sides covered with a high-quality tissue paper.

Form of delivery

Superwand soffit panel
Format of panels: 39 x 125 cm

Art. no.	thickness	box with
33005	5 mm	20 panels



Superwand Edge Protections:
To protect the soffit edges, we propose to apply the Superwand edge protection tape. This protection is composed with a paper backing and two aluminium strips. This makes the edges resistant to knocks and shocks and you get a clean finish.

Form of delivery

Superwand Edge Protections
Aluminium angle profiles: 2 x 14 mm

Art.-Nr.	reel with
33150	30 m

Adhesive for Superwand System:
For the proper installation of the insulation panels, a wallcovering adhesive should be used. For absorbent surfaces, we recommend the use of Superwand or Superwand Express adhesive. These wallcovering adhesives are characterised by their high initial and final bonding strength. They are also waterproof, resistant to plasticisers and suitable for indoor use. In addition, the express glue with its extremely high adhesive strength dries within 24 hours. For blocked surfaces, the solution is the Superwand contact adhesive. Its drying time is only 12 hours.

Form of delivery

Product	Art. no.	unit
Adhesive Superwand	19005	of 14 kg
Adhesive Superwand Express	19006	of 10 kg
Adhesive Superwand Contact	19007	of 10 kg

Processing and installation instructions

Preparation 1

1. Preparation
Pre-treatment of the base: properly remove the mould by washing it with an antifungal treatment (not dry) and remove the old wallpaper. The base must be clean, dry, smooth, stable, evenly absorbent, degreased, and free of dust. If necessary, treat the base with an aqueous sealing primer.

Gluing of the panels 2

2. Gluing of the panels
Apply Superwand / Superwand Express / contact adhesive Superwand over the entire surface of the panels or directly on the wall with a toothed trowel 4–5 mm (C1 / B4) (consumption approx. 1,0 to 1,5 kg / m² Superwand adhesive / approx. 0,7 to 1,0 kg / m² Superwand Express adhesive / approx. 1,0 to 1,5 kg / m² Superwand contact adhesive). Apply the panels from bottom to top, taking care that they touch the floor and the ceiling. Staggered edge to edge. Apply light pressure to the panels with the smoothing roller or with a hardwood board and a rubber hammer.

Drying time 3

3. Drying time
For absorbent surfaces the drying time is at least 3 to 5 days with Superwand adhesive. For a particularly fast drying time the Superwand Express adhesive is ideal for absorbent surfaces. It dries within 24 hours. For blocked surfaces the drying time with the contact adhesive is only 12 hours. In extreme cases (winter months) the drying time can be increased. In any case, carry out a test bonding beforehand.

Treatment o f the joints 4

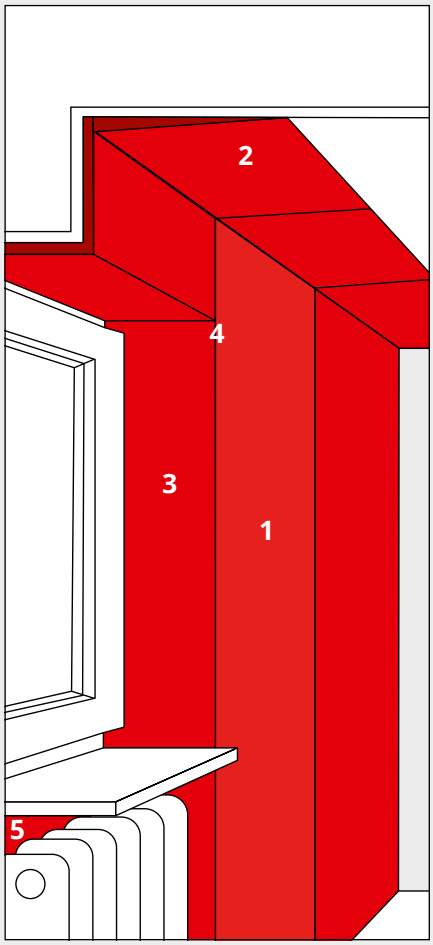
4. Treatment o f the joints
Smooth and level out the joints with a dispersion-based mastic (filling compound) (we strongly recommend the use of a ready to use dispersion-based mastic). Fill any larger gaps with strips of Superwand panels (same insulation value) that you have cut to size, level out / smooth over.

5. Finishing
To avoid cracks, cover the joints with a reinforced joint tape and smooth up with a dispersion-based mastic. We recommend covering the entire surface with a renovation fleece in case you are planning any ambitious wallpapering or painting work. In this case it is not necessary to apply a joint tape. A primer coat is needed before the subsequent wallpapering work.

Finish 5

Since Superwand is steam tight and therefore cannot absorb any moisture, wallpapers should be applied with a minimum amount of glue. Consult a specialis from the wallpaper supplier for advice if using a special wallpaper (as vinyl, textile, metal). Even after the panels are installed, an adequate heating and ventilation is required.

Superwand products from Korff



1. **Superwand DS / PRO**
2. **Superwand insulation wedge**
3. **Superwand soffit panel**
4. **Superwand edge protection**
5. **Superwand radiator insulation panels**

Material
Rigid polyurethane foam, with integrated vapor barrier and mineral paper for easy wallpapering work, extremely pressure resistant.

Measured thermal conductivity
λ = 0,025 W/mK (Superwand DS)
λ = 0,026 W/mK (Superwand PRO)

Vapour diffusion resistance
s_d = 550 m equivalent air space thickness

! **reduces heat losses by up to 56 %.**

Important advice

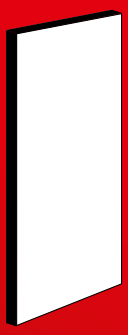
New: Superwand contact adhesive for blocked surfaces (not absorbent):
The new wallcovering adhesive dries within 12 hours.

Advice for the finishing :
To fill the gaps and smoothen the joints of the panels we recommend the use of **Pufas Instant plaster.**

Advice for storage:
Do not store Superwand panels vertically, but horizontally (lying down).

Let's stop experimenting

Spray against mould
It lasts from 12 o clock to noon



Superwand:
It lasts a lifetime.

Energy saving with a model room from the Fraunhofer Institute for Building Physics*

Annual energy savings

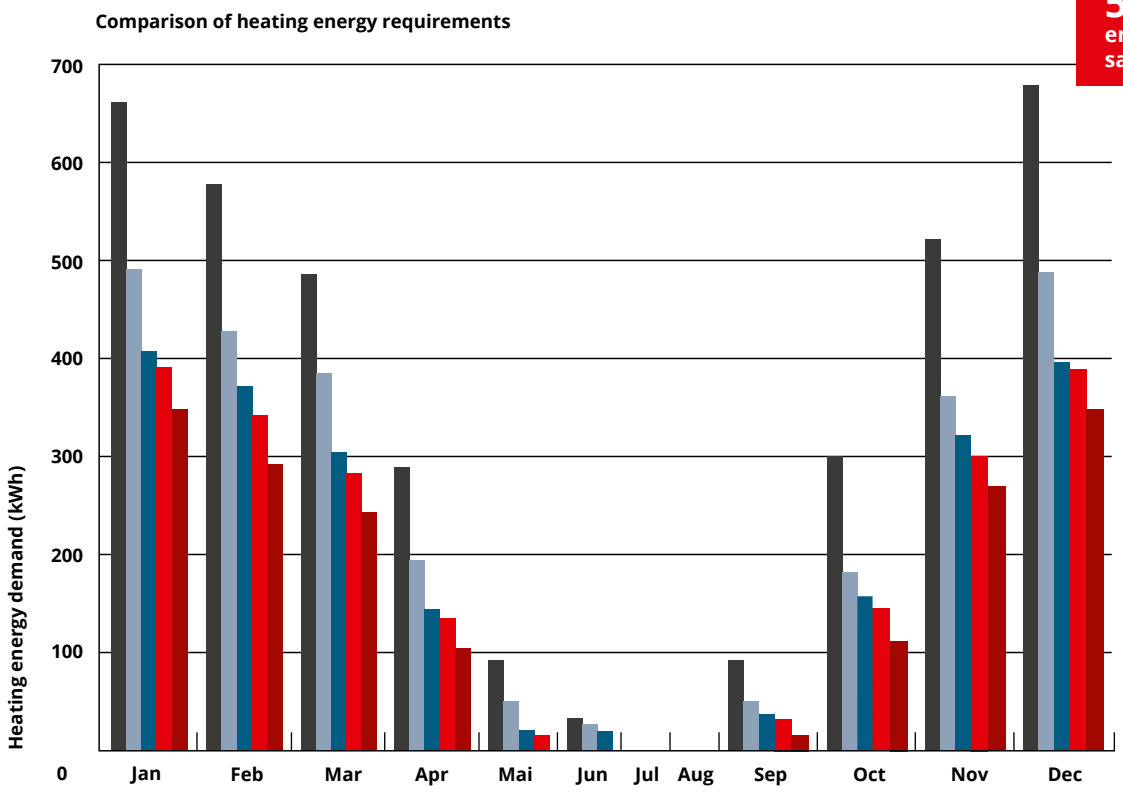
Superwand PRO 50 mm
54 %

Superwand PRO 30 mm
46 %

Superwand DS 20 mm
40 %

Superwand DS 10 mm
33 %

... up to 54 % energy savings!



non insulated
insulated with Superwand DS (10 mm)
insulated with Superwand DS (20 mm)
insulated with Superwand PRO (30 mm)
insulated with Superwand PRO (50 mm)

* Calculation based on the model of the Frauenhofer Institute for Building Physics of 02.10.2015. Dimension of the model room: 21.6 m². North and east exterior walls, windows to the north, door to the south. Exterior wall material (exterior to interior): lime mortar, solid brick / perforated brick, lime plaster mortar.

Send by E-mail to: **info@korff.ch**

We kindly request:

- ☐ free advice on Superwand System
- ☐ samples and price information
- ☐ further information

Company / stamp

Free of charge:
Superwand sample box

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