



Sikaflex[®]-AT and SikaBond[®]-AT at Work

International Case Studies



Sikaflex®-AT and SikaBond®-AT at Work



GERMANY

Headquarter of a Software Company(ESG) in Fürstenfeldbruck

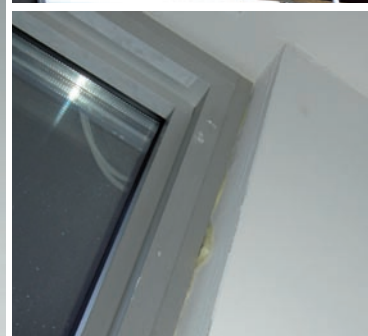
Sealing of connection joints between the metal façade and the concrete structure.

Sealing products:

Sika Membrane outdoor for the outdoor sealing ~ 6000 linear meters
Sikaflex®-AT Connection indoor sealing = 6000 linear meters
 ~2000 ssg.

Why Sikaflex®-AT Connection was used:

- Long-term colour stability of colour shade white in conjunction with the white powder coated aluminium windows in the indoor application.
- Safety concerning primer-less application on powder coated aluminium and concrete structure.



SWEDEN

Three multi-Story residential Houses in Varvarholmen

Classical joint sealing of movement joints between precasted concrete elements.

Sealing product:

Sikaflex®-AT Façade 2000 linear meters approx 1000 ssg.

Why Sikaflex®-AT Façade was used:

Due to legal regulation concerning the EHS issues which is in Scandinavia not PU friendly.





DENMARK

Residential Building Complexes in Fredensborg

Sealing of outdoor and indoor connection joints between windows, doors, sills etc.

Project: In total a complex with 35 residential buildings. (Each building ~250 m indoor connection joints and 80 meter outdoor). Sealing products:

- **Sikaflex®-15 LM** for the outdoor sealing approx. 3000 linear meters ~ 1000 sausages.
- **Sikaflex®-AT Connection** for indoor sealing 9000 linear meters ~ 3000 sausages.

Why selling Sikaflex®-AT Connection:

Due to the very good adhesion results with the **Sika®** Stretching device.



DENMARK

Copper Façade of a Bank Building

Sealing & Bonding of the copper cladding elements.

Sealant & Adhesive:

SikaBond®-AT Metal consumption 900 ctr.

Why using SikaBond®-AT Metal:


- A non-visible fixing of these copper elements is required.
- **SikaBond®-AT Metal** is on copper - concerning the primer less adhesion properties - a unique product.



And for all projects: Sikaflex®-AT / SikaBond®-AT is very well accepted for its excellent application properties, proven by the applicators.


Construction

Durability: Yellowing
Yellowing of sealants between white PVC sheets or white coated Aluminium is very easy visible.



Sikaflex AT-Facade Conventional PU-Sealant

Yellowing after exposure to concentrated nitrous fume. Sikaflex AT-Facade is highly stabilized.



Sika Sika Services AG

Construction

Strike it all with the Sika "AT" range

- Bonds to a wide range of substrates with good adhesion on non-porous and porous substrates / gives universal products
- Very good weathering / UV resistance / non yellowing properties
- Attractive price to performance ratio / consistent quality
- Outstanding application properties (extrusion force, smoothability, sag flow, optimised skinning time/curing speed)

Odourless and solvent free, ideal for internal and external applications


Meets standards for movement capability / low modulus / elastic recovery, etc. (e.g. DIN / ISO, SNJF, ASTM)





Sika Sika Services AG


Construction

Mechanical Properties Modulus:
Testing of Modulus:

AT: 

MS: 

PU: 

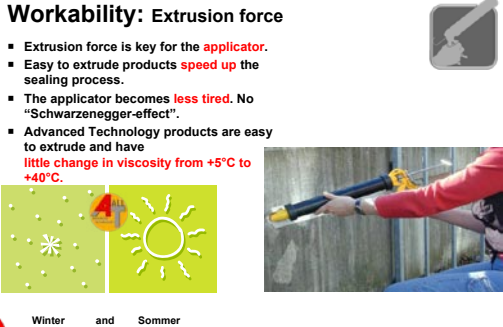
Silicon: 

Sika Sika Services AG

Construction

Workability: Extrusion force

- Extrusion force is key for the applicator.
- Easy to extrude products **speed up** the sealing process.
- The applicator becomes **less tired**. No "Schwarzenegger-effect".
- Advanced Technology products are easy to extrude and have **little change in viscosity from +5°C to +40°C**.



Winter and Sommer

Sika Sika Services AG

Summary

Sikaflex®-AT series is sold in different projects and countries for various benefits, here some examples.

Sealant dealer for window installers in a very ecological driven area

- Solvent free
- No labelling

Different professional sealant applicators:

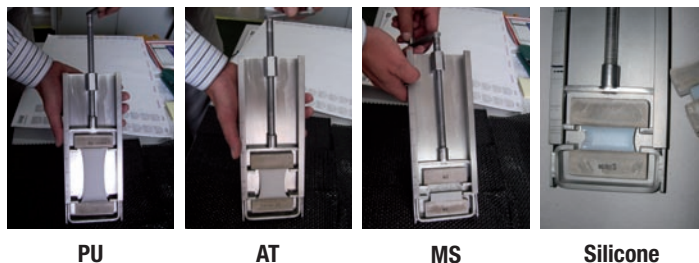
- No yellowing in connection joints to white windows = **claim reduction**
- More safety concerning the primerless adhesion on PVC than with PU sealants = **claim reduction**
- In cold conditions easier to extrude than Sikaflex®-PRO 2 HP = **saving of working time**

Professional window installers:

- Excellent adhesion on PVC = **claim reduction**
- Good extrude ability at low temperatures = **saving of working time**
- Compared to silicone no electrostatic load and therefore no dirt pick up, no silicone migration = **aesthetic issues = claim reduction**

Show the customers PU, AT and MS with the Sika® Stretching Device -the results are very convincing = claim reduction

You can see that there are several reasons to sell AT depending on the market, and customers but at the end the most important things for our applicators are **claim reduction and saving of working time**.



PU

AT

MS

Silicone

Sika® Stretching Device:

The perfect tool to visualize and prove the difference in performance



Sika Services AG

Corporate Business Unit Contractors
Speckstrasse 22
CH-8330 Pfäffikon / Switzerland
Phone +41 44 403 13 80
Fax +41 44 403 13 77
www.sika.com