

Construction



Sika's Advanced Technology for Sealing and Bonding





Sika's Advanced Technology AT

The new Sika generation of Hybrid Sealants and Adhesives based on the Advanced Technology «AT» – The Specialists with outstanding properties
 Sika's Advanced Technology «AT» is based on a new type of hybrid polymer, a marriage between the successful and powerful Sika PU-Technology (established since 40 years) and the well known Modified Silicone-Technology (MS). The advantage of this hybrid chemistry is the combination of the best properties of both technologies. This results in the new Sika «AT» Advanced Technology.



Advanced Sealing



Sealant applicators are asking for easy and fast applicable products to save working time:

- Easily gunned product at all temperatures and minimal substrate preparation
- Good sag resistance and short cut-off string
- Very good smoothing properties and long working cycles

The building owner wants to have a solution with minimal maintenance and repair costs:

- High weathering/UV resistance for good appearance
- Durable water-tightness of the joint and a long service life

The advantages of Sikaflex® AT-Sealants



- Good «body» with outstanding smoothing/tooling properties at all temperatures
 → Reduces time and effort!



- Optimum combination between long smoothability and curing speed
 → Extended working cycles!

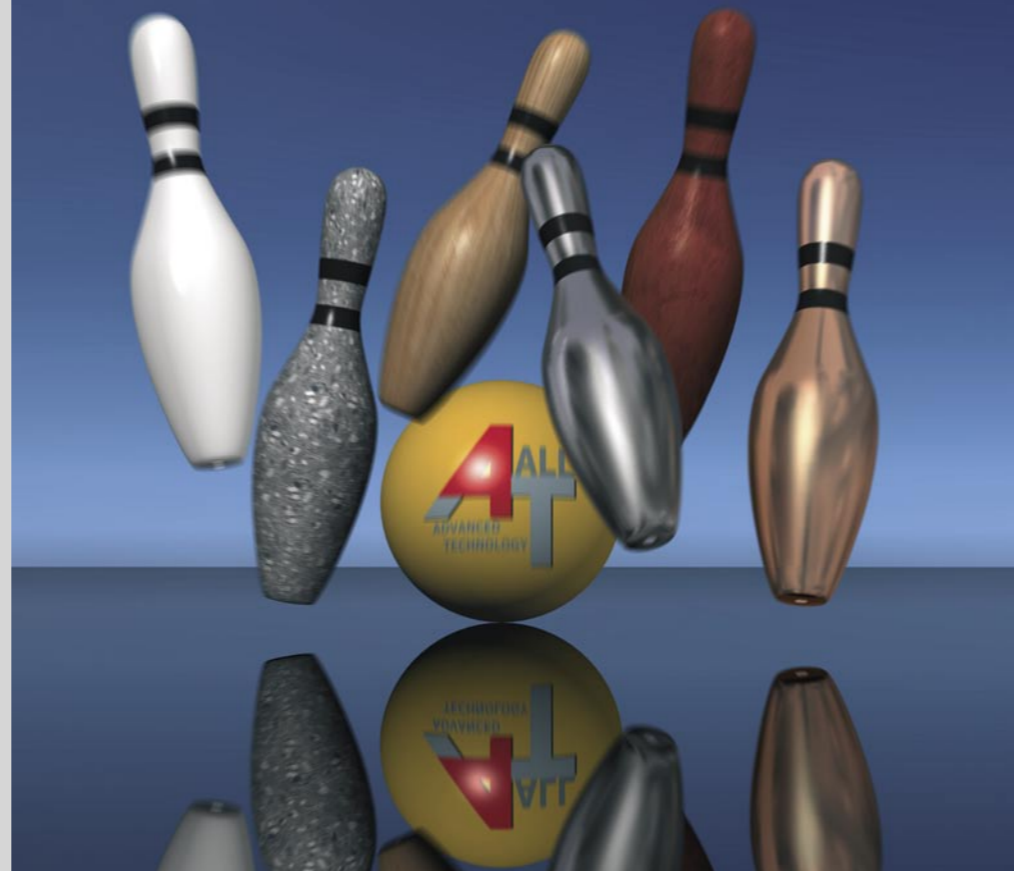


- Outstanding weathering-Resistance and non-yellowing properties even after long term UV-exposure
 → Minimal dirt pick-up! Improved appearance



- Meets standards of movement capability / low modules / elastic recovery, etc. (e.g. DIN / ISO, SNJF, ASTM)

Strike it all with Sika's Advanced Technology



The advantages of Sika's AT-Range at a glance



- Very small viscosity change from +5 °C to +40 °C and therefore easy to extrude even at low temperatures
 → Reducing fatigue!



- Odourless and solvent free
 → Ideal for internal and external applications



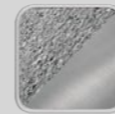
- Very short cut-off string ensures a clean application
 → Saving cleaning time!



- Attractive price to performance ratio
 → Consistent quality!



- Excellent non-sag properties from +5 °C to +40 °C
 → Especially good for wide joints or bonding applications



- Excellent adhesion on both non-porous AND porous substrates
 → Minimal substrate preparation!
 Universal products «4 all» substrates

Advanced Bonding



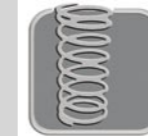
Adhesive applicators are asking for safe products with high security in application:

- Easily gunned product at all temperatures and minimal substrate preparation
- High initial tack with a good green strength
- Fast curing and universal products (one «4all» adhesive)

The building owner wants to have a permanent bonding solution with high security on durability:

- Long service time and improved visual effect (no screws, no nails)

The advantages of Sikaflex® AT-Adhesives:



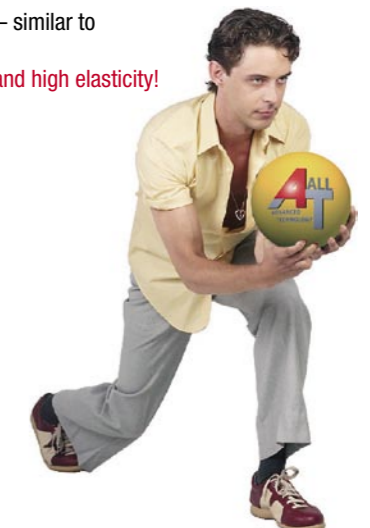
- Good initial tack / green strength
 → Less temporary fixing / support!



- Optimum combination of application time and curing speed over the whole temperature range
 → Easy work organisation!



- High mechanical properties – similar to Sika PU-Technology
 → High performance and high elasticity!



Sika's Advanced Technology meets all of the customers requirements!



Sika's Advanced Technology for Sealing and Bonding

There are products on the market with outstanding UV-resistance and low extrusion force at low temperatures. Other products have good non-sag properties at high temperatures. Also products with good adhesion to non-porous substrates have been around.

But all of these properties together plus adhesion to porous and non-porous substrates in one product – now can only find with Sika's Advanced Technology "AT"

AT, a real step forward. Products you can extrude at low temperatures but do not sag at higher temperatures, products with excellent smoothing properties over the whole temperature range and good adhesion to all relevant construction substrates

AT "4all" substrates



Also available from Sika



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