

Sika at work



## Sealing and Elastic Bonding

Sika® Wood Floor Bonding Systems  
Reference Projects



# Sika Wood Floor Bonding Systems

## Conference Centre, Vienna, Austria

### Project

New Conference Centre for the City of Vienna. Wood flooring was laid in the conference halls, restaurants and foyer. A total of around 7,800 m<sup>2</sup> of «Weitzer wood flooring» (maple) was installed, the conference halls in «English bond» and the restaurants and foyer in «Herringbone system» with a perimeter frieze.

### Requirements

- High specifications set by the client for the timber quality and installation
- The wood floor had to be laid securely despite high residual moisture in the substrate
- The lecture theatres required good acoustic attenuation

### Sika Solution

The specified requirements were achieved with the Sika wood floor bonding system. The project used 3.5 tonnes of **Sika® Primer MB** and about 8 tonnes of **SikaBond®-T54** wood floor adhesive for full bonding. The floor was laid quickly and easily with this system. The excellent cooperation between the designer, flooring manufacturer, flooring contractor and Sika was a major factor in its success.

### Project Participants

Client: Reed Messe AG, Vienna  
Consultant: Weltzer Parkett, Vienna  
Contractor: Zach Parkett, Stocherau



## Weikersdorf Castle Hotel, Baden, Austria

### Project

Alterations to an old hotel in Baden near Vienna. The building was originally a castle built in the 12<sup>th</sup> century and much later turned into a hotel. The 77 bedrooms were now to be fully refurbished and a floor area of around 1900 m<sup>2</sup> was laid with engineered wood flooring.

### Requirements

- The sound insulation in the rooms had to be good
- The systems thickness had to be kept as low as possible to prevent the loss of room height

### Sika Solution

The specified requirements were achieved with the **Sika® AcouBond System**. The project used 1900 m<sup>2</sup> of **SikaLayer®-Silent** and about 1550 kg of **SikaBond®-T52** wood floor adhesive. The floor was laid quickly and easily with this system.

### Project Participants

Client: Weikersdorf Castle Hotel, Baden near Vienna  
Contractor: Oberrauter, Mariazell  
Architect: Pur Pur - Mr. Loebell, Vienna, Graz





# «Puls 5», Zurich, Switzerland

## Project

Residential/office/commercial development with integral leisure park, built around the old Sulzer engineering foundry building in Zurich-West. Different types of wood floors were available to be installed throughout in the owner-occupied apartments (Oak parquet, Engineered Canadian maple; and solid Meerbau)

## Requirements

- To give buyers the choice, the screed is not laid until each apartment is sold. This means that there is a high residual moisture in the cement screed and the time constraints for installation of the wood floor put high demands on the bonding system
- Only one bonding system was wanted for all of these types of wood floor
- The system had to provide both a moisture barrier and adhesion

## Sika Solution

All the cement screeds were primed with **Sika® Primer MB** (moisture barrier: residual moisture < 4%). The wood flooring was then fully bonded with **SikaBond®-T55**. When completed, the project will have used about 8 tonnes of Sika adhesive.

## Project Participants

Client: Intershop Holding AG, Winterthur  
Architect: Kyncl Gasche Partner, Zurich  
Prime contractor: Zschokke Generalunternehmung AG, Dietlikon  
Flooring contractor: Pfister, Dübendorf



# Zurich University, Switzerland

## Project

Zurich University Institute of Law. Extending and remodelling of the library with adjoining rooms, consisting of a hall with a rostrum and six elliptical galleries built above each other. Wood flooring was laid throughout (about 3000 m<sup>2</sup>).

## Requirements

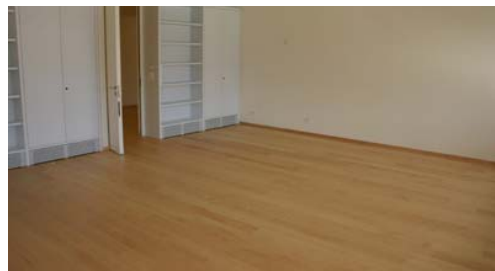
- Bonding directly to concrete structures (without a floor underlay - **Sika® AcouBond-System**)
- Achievement of an impact noise reduction of 16 dB and a room noise reduction of 10 dB
- Wood floor bonding on dry anhydrite screed without priming

## Sika Solution

The specified requirements were achieved with the Sika wood floor bonding systems. About 800 m<sup>2</sup> of the total floor area of 3000 m<sup>2</sup> was laid with engineered wood flooring, fully bonded on anhydrite screed with **SikaBond®-T54**. The remaining 2200 m<sup>2</sup> of flooring was laid directly on the concrete base in «English bond» with the **Sika® AcouBond-System** (for good acoustic attenuation). More than 2 tonnes of Sika adhesive were used in total.

## Project Participants

Client: Canton of Zurich Building Authority, 8090 Zurich  
Architect: Santiago Calatrava AG, 8022 Zurich  
Flooring contractor: Jacquet Parquet AG, 8050 Zurich



# Nymphenburg Castle, Munich, Germany

## Project

Refurbishment of the Auditorium and Orangery at Nymphenburg Castle in Munich. The Auditorium is about 450 m<sup>2</sup> in area and is now used as a museum and a lecture theatre for major events. As part of the refurbishment work, the wood block floor in the Auditorium had to be replaced.

## Requirements

- Bonding on difficult cement screeds (adhesion)
- The block flooring had to be preassembled on backing boards. These large boards then had to be securely bonded.
- Strict adhesive thickness limitations

## Sika Solution

The specified requirements were successfully achieved with the Sika wood floor bonding systems. The primer **SikaGrund®-P** was used as an adhesion promoter and surface strengthening binder. The large boards were then bonded with **SikaBond®-T54** adhesive. About 550 kg of Sika adhesive were used in total.

## Project Participants

Client: National Building Authority, Munich 1  
Planner/Architect: Kunz & Kunz, Neusäss  
System partner: Schotten & Hansen GmbH, Neu-Egling



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