

Always. Reliable. Tight.



SEALING OF CABLES AND PIPES ACCORDING TO DIN 18195 PART 6.M

# CASTLE ALTDÖBERN

According to DIN 18195 part 6 and 9

## USE OF FIXED AND LOOSE FLANGES



SML pipe sleeve - preparation of the stainless steel wall sleeve with fixed and loose flange type HRD-FUF.



Selected house entry systems composed of stainless steel wall sleeves with fixed and loose flange for concreting in (FUF left side) and for dowelling (FUFA right side).



HRD-FUF was positioned eg concreting in with help of a connection sleeve.



After concreting in the wall sleeve HRD 200-FUF. Preparation for flush connection of waterproof membrane.



Stainless steel wall sleeve HRD-FUFA (for dowelling left side) with surface flush and cleaned clamping range.



Individual positioning of building entries due to local situation.

### **The task: Rehabilitation measures at the castle by the construction company BUST-GmbH Stramke from Lohsa.**

Secure house entries had to be installed in the humid and untight basement. Ground conditions and critical ground water level in the area required a suitable sealing (black tank). Therefore house entries were made with stainless steel wall sleeves with fixed and loose flange type HRD-FUF (for concreting) as well as HRD-FUFA (for dowelling) with the press seals HSD. The planner designed therefore loading case according to DIN 18195-6 with hydrostatic pressure from the outside.



According to DIN 18195 part 6 and 9

## USE OF FIXED AND LOOSE FLANGES



Wall sleeve HRD-FUF and HRD-FUFA diam. 100, 150 and 200 mm for entry of the supply lines.



Wall sleeve HRD-FUF completely installed with press seal HSD 200-SSG-110-160-V2A/EPDM.



Wall sleeve HRD100-FUF after connection of the bitumen sheeting inclusive press seal HSD 100-SSG-18-65-SL V2A/EPDM.



Detail view: HSD press seal with integrated torque moment control.



Wall sleeve HRD-FUF installed on the bituminous sheeting and inserted PE pipe DN32 with welded sleeve.



View on plinth wall and masoned basement wall after finished surface sealing, connected house entry according to DIN 18195 part 9 and before installing the new supply lines.

## PROJECT INFORMATION

Location	Schloss Altdöbern Am Park 03229 Altdöbern
Building owner	Brandenburgische Schlösser GmbH Breite Straße 9 14467 Potsdam
Requirement	Restoration and rehabilitation
Planning	gibbins european architects Karl-Marx-Straße 12 14482 Potsdam
Assistance for Cultural heritage preservation	Brandenburgisches Landesamt für Denkmalpflege Wünsdorfer Platz 4 - 6 15838 Wünsdorf
Assistance for Restoration	Schreiber und Teuchner Restaurierung GbR Äussere Freiburger Straße 4 09669 Frankenberg
Planning for structural framework	Büro für Baukonstruktionen GmbH, NL Dresden, Louisonstraße 12 01099 Dresden

## SOLUTIONS PROVIDED BY HAUFF-TECHNIK

Spezifikation	Stainless steel wall sleeve wit fixed and loose flange HRD-FUF with standard press seal
Anforderungen	Sealing of building entry according to DIN18915 Part 6 Loading case hydrostatic pressure and temporarily accumulating seepage water
Eingesetzte Produkte	Stainless steel wall sleeve HRD-FUF Stainless steel wall sleeve HRD-FUFA Standard press seals HSD

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