



Steinhardt
HYDROLATCH[®]

flood retention basins

equipment for
flood retention basins



Steinhardt[®]
Water Technology Systems

Flood retention basins

The Challenge

Flood retention basins and polders are complex structures for flood protection. Technical flood protection consists of man-made structures. They again consist of technical equipment.

- for the flooding of polders (fig. 1)
- for the draining of polders (fig. 2)
- for breaking up rockslides (fig. 3)
- for the retention of alluvial debris and rubble (fig. 4)
- for constant flow rates draining the FRB (fig. 5, 7)
- for braking the flow (fig. 6)
- for setting overflow levels (fig. 1)
- for guiding amphibians (fig. 8).

Technical equipment has to be foresighted, safe and durable. Why design flood protection for a 100 year event when the technical equipment cannot survive the warranty period?

The Products

Steinhardt GmbH has been successfully supplying flood protection equipment for years. We help with engineering and don't let you "go under". Our technical equipment is made from stainless steel, solid, durable and also operates -- wherever possible -- without electricity, which means it can be installed far off. Steinhardt GmbH has three main points of focus in flood protection .



Fig. 1: Fish-belly gate



Fig. 2: Draining

FRB in mountains



Fig. 3: Rockslide break



Fig. 4: Rubble catch and throttle structure



Fig. 5: HydroSlide® flow regulator

FRB in urban areas



Fig. 6: HydroStyx® flow brake



Fig. 7 HydroSlide® flow regulator



Fig. 8 amphibian guid