

**Bingen Ingelheim
 (D) 2004/2005**

Sports and leisure bath
 with a transparent line of
 roof lights which should
 symbolize the river Rhine.

Roof lights made of 3-layer
 ETFE air cushions on
 polygonal steel structure
 with 30 steel arches which
 support the large scale
 cushions every 4 m. The
 cushions are reinforced
 with wind suction cables.

Size:
 Water area 960 sqm, roof
 area 3,600 sqm, of this 865
 sqm of cushion zone.

General Planning: Dr.
 Krieger from Velbert

Structural design and
 workshop planning of the
 cushions:
 formTL
 Manufacturing of the
 cushions: CenoTec Greven

Material: ETFE foil 200-
 150-150 my. The painted
 steel arches made of
 circular tubes d= 193.7 mm
 span between 4,5-17,2 m.

Published: Company
 booklet Dr. Krieger

