

**Report**  
**Approval of Floating Roof Sealings and**  
**Internal Floating Deck Sealings**

**1. Client**

JPM Ingenieurtechnik GmbH, Postfach 13 51, 24549 Henstedt-Ulzburg.

Date of Order 27.12.1993

**2. Description**

The Floating Roof Sealing and Internal Floating Deck Sealing has to be approved for explosion protection according to the german standards VbF (Verordnung über brennbare Flüssigkeiten = Regulations for flammable liquids) as well as the relevant technical Rules TRbF (Technische Regeln für brennbare Flüssigkeiten = Technical Rules for flammable liquids).

**3. Basics**

3.1 Regulations for flammable Liquids VbF

3.2 Technical Rules for flammable Liquids TRbF

- TRbF 100 - Safety equipments
- Nr. 2.3.1- Equipment without general approvals
- Nr. 3.2 Protection in explosion hazardes areas
- Nr. 7 Avoid dangerous electrostatics
  
- TRbF 120 - Tanks made of steel and non-steel
- Nr.7 Additional requirements internal floating decks
- Nr. 8 Additional requirements Tanks with floating roofs

**3.3 Description and Information of JPM**

- Floating Roof Sealing SWING I SEALING
  
- Internal Floating Deck Sealing SWING II Sealing
  
- Secondary Sealing DOUBLE SWING
  
- Wax Shaper SUPER SWING

### **3.4 Drawings/Information of JPM concerning:**

3.4.1 Specification

3.4.2 Resistance

3.4.3 Drawing Floating Roof Sealing SW I-2

3.4.4 Drawing Internal Floating Deck Sealing SW II-2

3.4.5 Drawing Wax Shaper WS

3.4.6 Drawing Combination of SW I, SW II-1

### **4. Result**

The requirements of explosion protection are fulfilled.

### **5. Enclosure**

Description and drawing according to No. 3.3 and 3.4.

singed by Mr. Zimmermann  
specialist according to § 15 Elex V und § 16 VbF  
(Regulations for flammable liquids) of TÜV Nord e.V.

Stemp TÜ7