



Chemicals stop!

The Anhamm spill barrier



anhamm



Liquid Stop Safety Barrier as hazardous material and extinguishing water containment

The patented Anhamm Liquid Stop Barrier seals off chemically contaminated liquids that present a water hazard (e.g. water that was used to extinguish fires, hazardous materials, flammable liquids) from production sites, storage rooms and hazmat storage facilities.



Special features

- Automatic closing without external power sources
- Utilization of existing rooms = low space requirement
- The installation can be adapted to local conditions
- Open traffic paths since it allows unobstructed passage for forklifts, trucks, etc.
- Low installation expense
- Use of high-quality materials (stainless steel, PTFE)
- All seals made of highly chemical-resistant PTFE
- Low maintenance costs - no operating costs
- Cost saving through use as hazardous material barrier
- Proven flammability test System-internal sealing – no external sealing - therefore guaranteed 100% waterproof and TUV certified



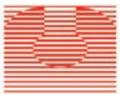
Anhamm Liquid Stop Safety Barrier to seal off production sites, storage rooms and hazmat storage facilities

Use of the Anhamm Liquid Stop Safety Barrier in the hazmat storage facility
Fire extinguishing operations, fire brigades or sprinklers create large water masses which may be contaminated with chemicals. The arising contaminated liquid must therefore be disposed of in a controlled manner.

The Anhamm Liquid Stop Safety Barrier optimally solves the problem of controlled retention of the chemically contaminated water from fire fighting operations and liquids of any kind that may pose a danger to water (product retention) while considering technical, visual and especially economic factors.

Activation of the Liquid Stop Barrier without external power

- Automatic activation of the barrier through in-flowing liquid
- No external energy sources are necessary, no electricity, no pneumatics, no hydraulics
- Adaptation of Liquid Stop Safety Barrier to individual architectural needs is possible
- Flush in-ground installation, safe for easy passage for forklift, truck, car, etc., no ledges and ramps, unobstructed transport in workshops
- Use of high-quality materials that withstand high stresses in emergency situations
- Passed resistance test with distinction under the supervision of DMT and RW-TÜV - 100% leak tightness over a minimum of 72 hours
- Regular inspections through TÜV-Nord Systems – production control (model ID: RW-TÜV-9.1.1-LÖWR1/99)
- Utilization of the Anhamm Liquid Stop Safety Barrier as hazmat retention measure with official permit is possible
- Low maintenance costs - no operating costs



anhamm

USA

anhamm LLC
Rochester, New York

Phone 1-800-585-9288

GERMANY

Anhamm Liquid Barrier Products GmbH
Franz-Haniel-Str.47
D- 47443 Moers

Tel.: +49 2841-88 90 09-0

Fax.: +49 2841-88 90 09-9

www.spillbarrier.com · info@spillbarrier.com

Liquid Stop Safety Barrier as hazardous material and extinguishing water containment

The patented Anhamm Liquid Stop Barrier seals off chemically contaminated liquids that present a water hazard (e.g. water that was used to extinguish fires, hazardous materials, flammable liquids) from production sites, storage rooms and hazmat storage facilities.

Suitability and application

- **Anhamm- Liquid Stop Safety Barrier** for production and storage sites as well as for hazmat storage facilities:

Model ID: RW-TÜV-9.1.1-LÖWR1/99

Fire extinguishing operations, fire brigades or sprinklers cause large water masses which may be contaminated with chemicals. The arising contaminated liquid must therefore be captured and disposed of in a controlled manner.

In all application areas the main focus is placed on protecting your property from even more extensive damage and loss and therefore to uphold the asset values by attempting to limit damages with destructive consequences.

Quality control

Internal control through:

Factory-provided production control

Third party control through:

TÜV Nord Systems

Model number:

RW TÜV-9.1.1-LÖWR-1/99

Quality management:

Anhamm GmbH is a specialized company pursuant to § 19 L WHG

Description

Delivery and scope of services

The Anhamm Liquid Stop Safety Barrier is delivered as a complete and functional installation unit; all calibration work was already carried out at Anhamm works.

The Anhamm Liquid Stop Safety Barrier will be tailored to the respective application, for new construction as well as remodeling projects. It ensures the automatic retention of contaminated fire extinguishing water or other liquids that present a hazard to water and it can avoid damage to other areas (elevator shafts, production sites, basement entries, storage rooms, office and common rooms, retail rooms, etc).

Construction type, functionality

The Anhamm Liquid Stop Safety Barrier is an automatic device that is to be installed in gate and door openings for the retention of fluids of any type that may present a hazard to water.

The Anhamm Liquid Stop Safety Barrier is activated by the spilling liquid. The barriers are designed as floating devices:

During the entry of the liquid into the pan of the liquid stop barrier, the inlaid barrier is displaced and floats on top. You do not need any external energy source, no hydraulics, no pneumatics and no electricity. The only powering energy is the spilling liquid itself that needs to be collected and which pushes up the barrier.

From a defined fluid level, the Anhamm Liquid Stop Safety Barrier will be closed completely by traction force and will then be pushed against the chemical-resistant PTFE seals by the rising liquid. These seals are installed on the posts on the left

and right side of the gate and/or door openings and along the floor following the ledge in the length of the full barrier so that they immediately seal the spilling liquid as soon as the barrier rises. After the raising of the barrier into the vertical closing position, the barrier is fixated in the upright closing position by a hook which can be manually released after the operation.

It closes all captured gate and door openings 100 % = absolutely leak-proof. RW-TÜV certified absolute leak-proof. This ensures that the neighboring rooms or the surrounding area of the building cannot come in contact with the hazardous liquids.

Materials

Standard: stainless steel, material: 1.4301

Cover: aluminum stud plate as sheet metal cover/barrier Special orders are possible

Seals:

Chemical-resistant and age-resistant PTFE seals

Dimensions:

Anhamm Liquid Stop Safety Barrier

Barrier height: 0.30 m to 2.00 m

Door opening widths: 0.50 m to 30 m

The installation depth of the Liquid Stop Safety

Barrier pan depends on the barrier height:

- up to 0.65 m = 11 cm

- up to 1.30 m = 14 cm

- up to 2.00 m = 16 cm

Depth of ground cavity + 4 cm as an installation depth

Weight: (kg)

Depending on opening widths and barrier heights

Load-bearing capacity

The long-term load-bearing capacity was tested with 200,000 load changes and a forklift wheel load of 3.25 tons (pursuant to DIN 1055)

Always indicate the potential load in weight and quantity, as well as vehicle type (forklift model) directly at the time of your inquiry, because the design of the vehicle crossing protection for the barrier and the seal have to be adjusted to correspond to the requirements.

Fire behavior (DIN EN 13501)

The Liquid Stop Safety Barriers are activated by the spilling liquid of any kind that is to be collected. They are designed as floating devices.

Automatic closure is triggered by the liquid.

RW-TÜV conducted functionality tests with liquids of different densities.

In the event of viscous material and large amounts of liquid (e.g. rainwater), additional intake grooves or intake grates are added to the design and implemented. Please indicate during design phase.

Durability

PTFE seals are highly chemical-resistant

Deemed as recommendation to also utilize this material in conjunction with leaches, acids and solvents

Maintenance

The Anhamm Liquid Stop Safety Barrier requires only minor maintenance work:

Regular cleaning, checking seals for cracks and damage, manual functionality test according to the instructions of the manufacturer. The Liquid Stop Barrier hardly causes any operational costs. Maintenance agreements can be established with the manufacturer with a customized required

cycle if needed and upon request by the customer (e.g. semi-annually, annually, bi-annually).

Installation

Completely through the manufacturer / or self-installation with installation support (SUPERVISION) through the manufacturer

Test report of TÜV Nord Systems concerning the test of the sealing characteristics of the installation of Anhamm Liquid Stop Safety Barriers available Test report no. 810 2261 1392

Special installation characteristics :

- No electric or other connections necessary
- Preparation of the on-site ground excavation by customer or execution through the manufacturer during the installation

Casting compound material that is to be used:

PAGEL (manufacturer PAGEL V1-50, V2-40)

Product can be purchased through Anhamm or directly from the manufacturer in the respective country of the installation (if it is available)

On-site prerequisites

Cavity in the ground (preparation according to the specifications of the manufacturer - request drawing as PDF and/or dxf files or in hardcopy)

Special planning information

Static loading aspects have to be considered during the installation of the Liquid Stop Safety Barrier in ceilings. The manufacturer does not conduct potentially necessary calculations concerning statics, neither on the construction site nor for the retrofitted excavation through the manufacturer. The customer bears the full responsibility.

The manufacturer assumes a sufficient load capacity for ceilings and floors.

The manufacturer does not issue any binding statements in regard to whether the use of an Anhamm Liquid Stop Safety Barrier corresponds with the respective regulations in the country of the project or whether it fulfills all environmental, structural or other legal requirements if applicable.

Please contact the manufacturer early on, so that the planner can take the information concerning the necessary ground excavations directly from the drawings of the manufacturer. The measurements on the drawings must always be checked carefully to ensure that the space conditions on site are suitable for an installation of a Liquid Stop Safety Barriers.

Please provide information concerning door and gate types and the closing direction.

Supply options

Delivery area

Worldwide

Delivery time

Depends on type, will be agreed to in the proposal

Average: 6 weeks after clarification of all technical details

Sales:

Order directly from manufacturer

Contractual and warranty conditions:

Pursuant to VOB 3 years, if applicable 5 years