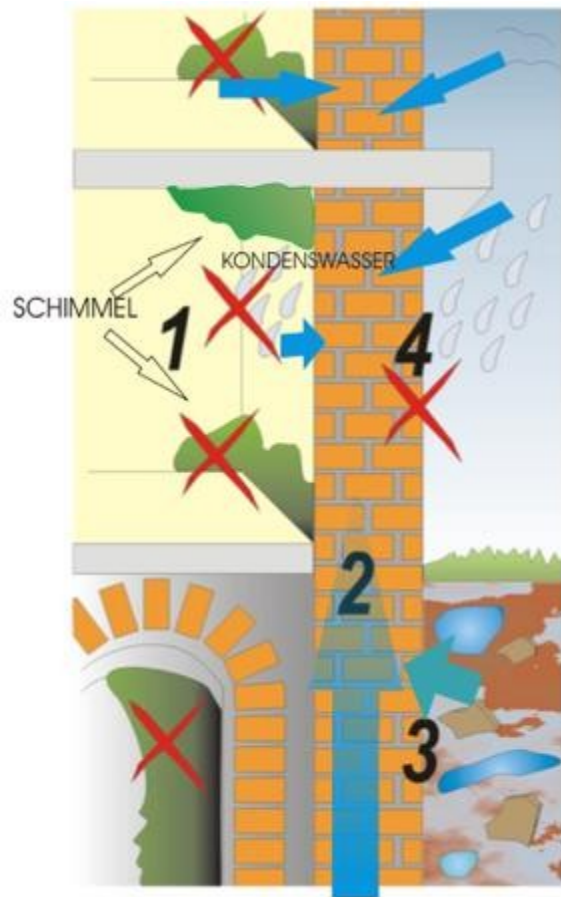




Innovative Beschichtungs Technologie

AHK - HERITAGE CONSERVATION IN PORTUGAL WITH A PROVEN SYSTEM

Lisboa, 07.04.2025



Moisture is the biggest enemy of a building

The causes of damp buildings: 1 -

hygroscopic water absorption

(absorption from the air humidity - condensation)

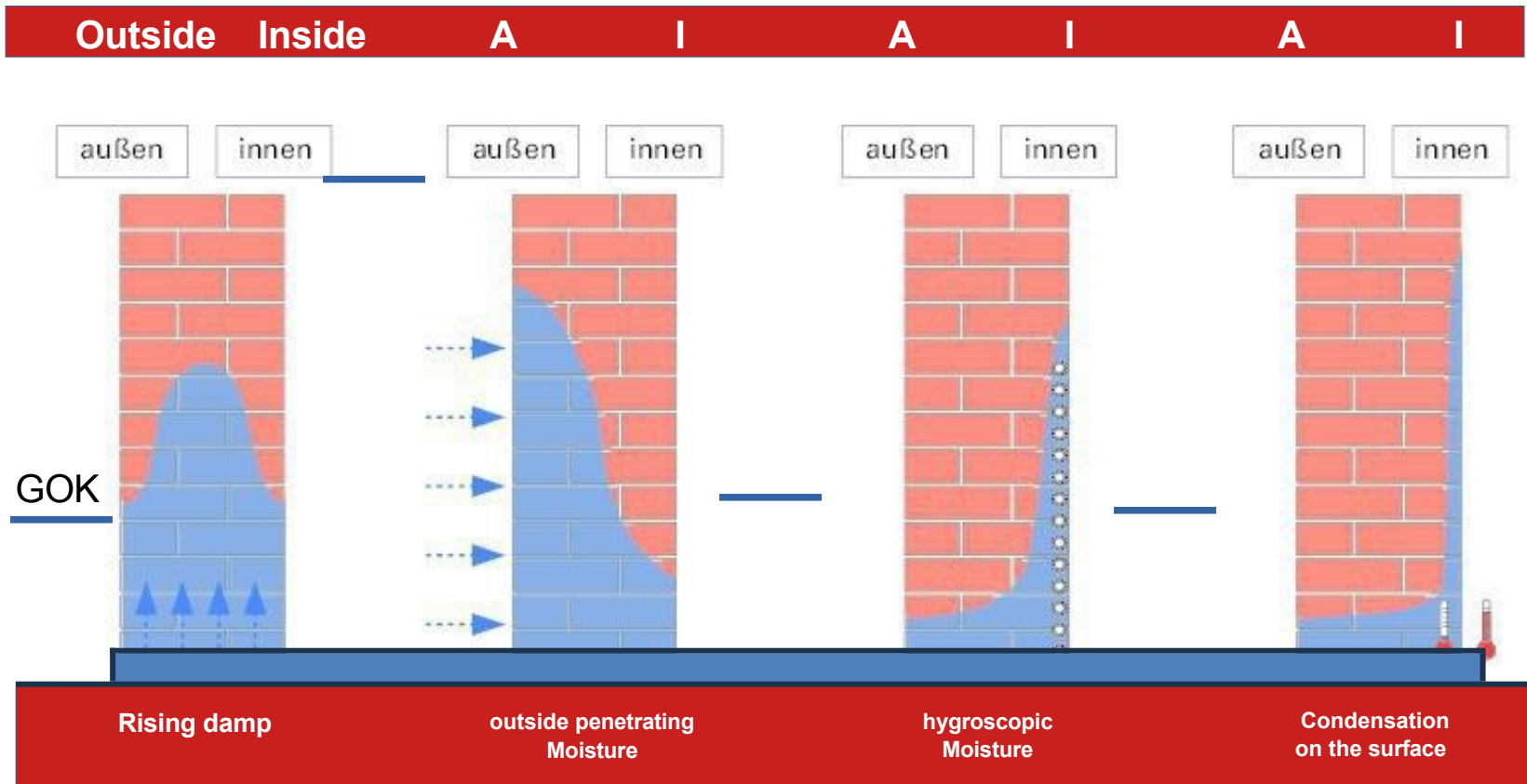
2 - Capillary water absorption

(capillary effective rising damp)

3 - Water absorption due to seepage/slope water

4 - Driving rain

MOISTURE INPUT AND PROCESS



**Moisture is the biggest enemy
of a building...**

...and an age-old problem!



Effects on the building fabric



Shortening the service life of buildings



Health risks due to mold

Known cost-intensive measures



- Wall sawing **450 EUR/m²**
- Injection method **380 EUR/meter**

Horizontal barriers= Destruction of the masonry!

Mechanical interventions or even the "rape" of historical Building fabric, such as

- Wall sawing method
- Borehole injections



Elisabethinen Hospital, Vienna, according to the masonry sawing method

All subsequently applied horizontal sealing methods are not successful in the long term and only help in the short term.

They lead to irreparable damage!

Table salt is essential for human life

- However, salt causes further damage to the masonry
- Hygroscopic effect of salts intensifies moisture problems



Salt is a vital basis for humans and animals



Water and salts destroy the masonry

IS THERE A SOLUTION? - YES!





Intelligent technology
instead of fighting water

Water cannot be shut off.

That's why our approach is ANDERS!

We drain the moisture through the masonry.

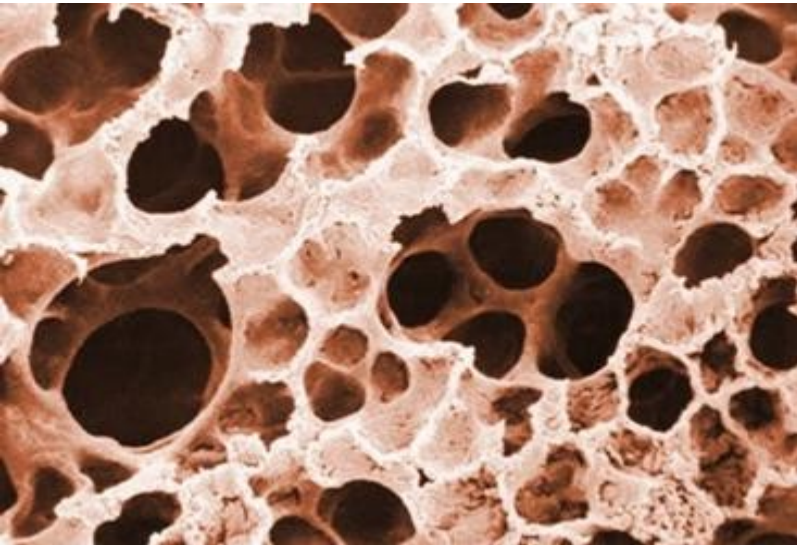
**No substance-damaging measures are possible with the aeries systems.
necessary.**

- Avoidance of cost-intensive mechanical interventions
- Long-lasting solutions without follow-up costs

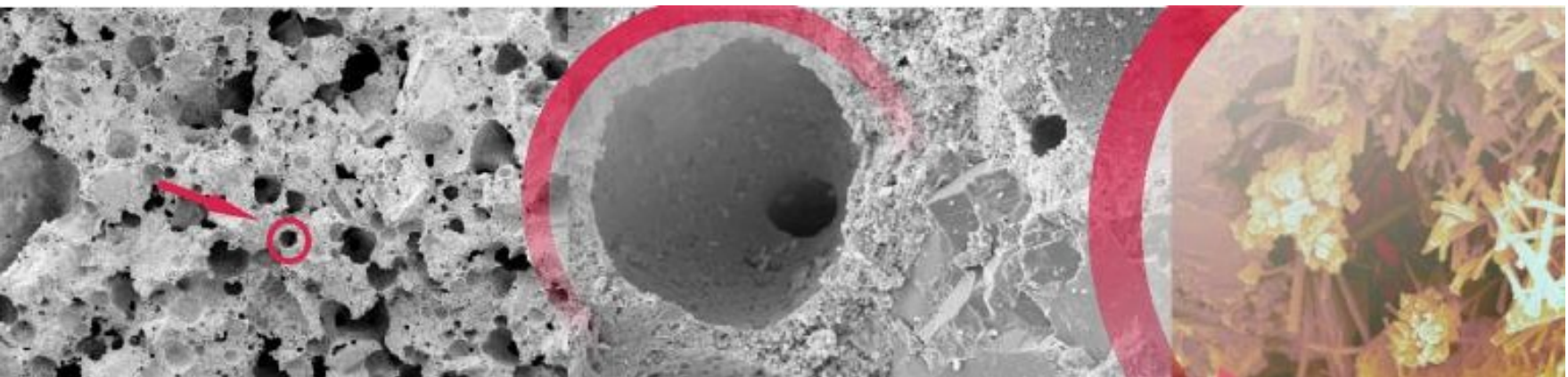


Dry building structures!

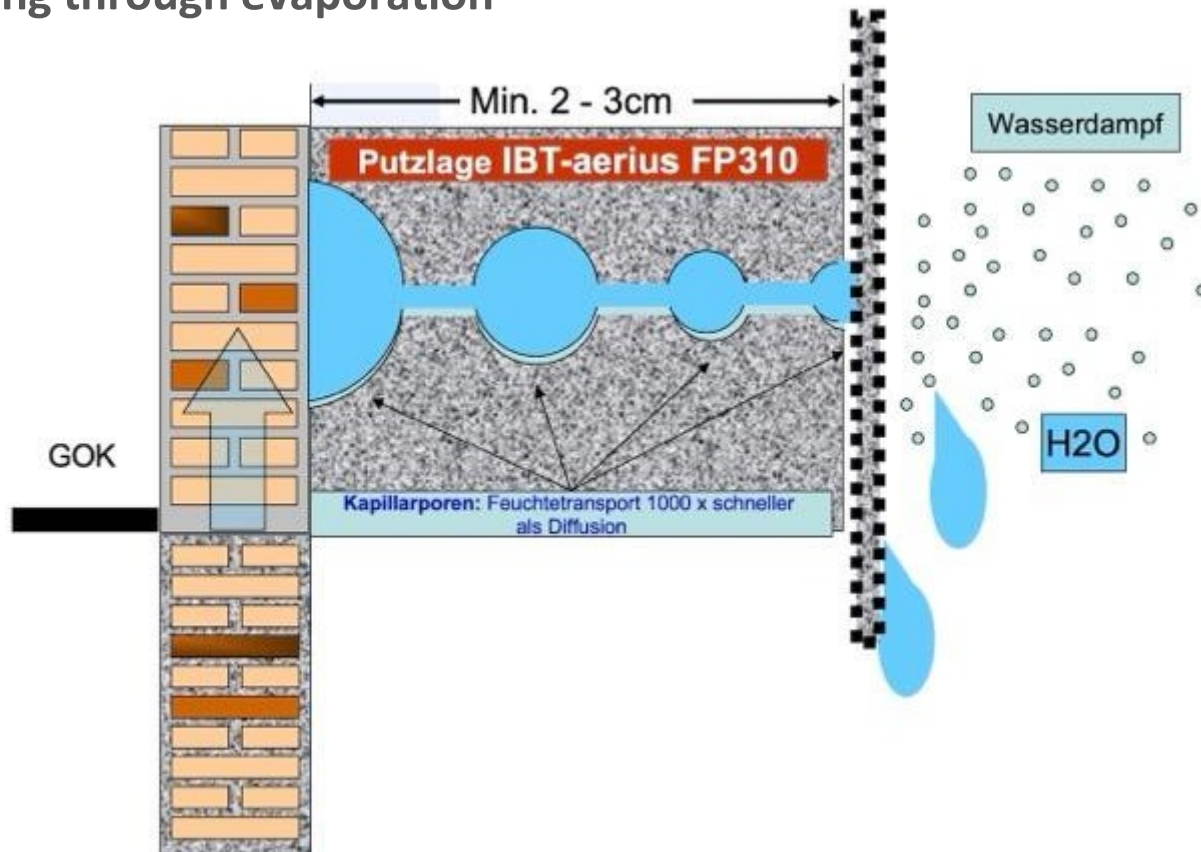
No horizontal barriers necessary!



**Micro- and macropores ensure
for the function**



Drying through evaporation

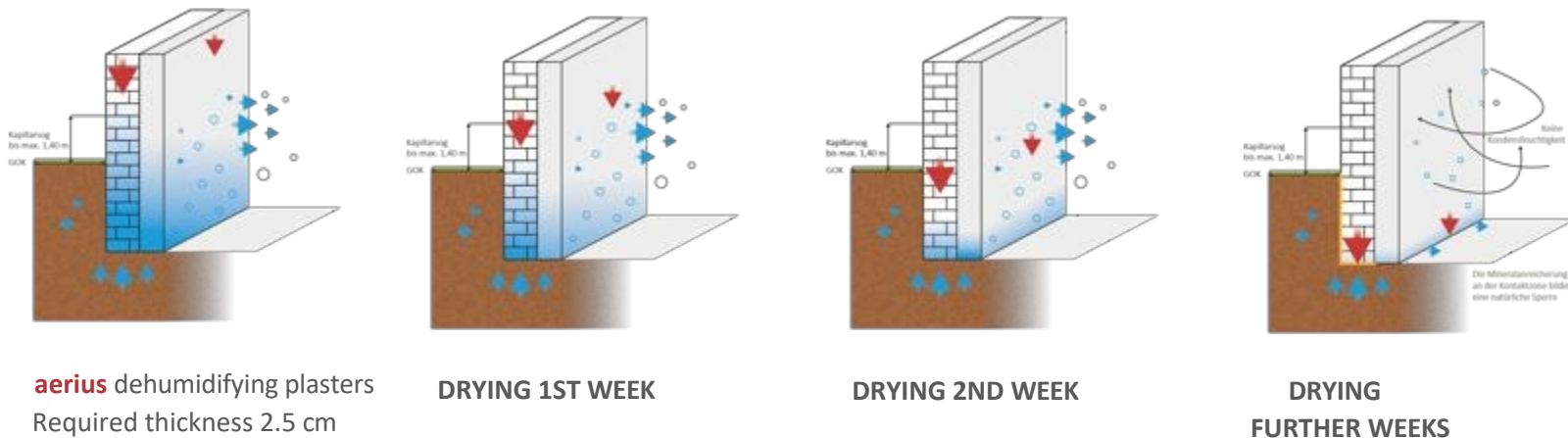


Moisture is extracted from the masonry by capillary suction!

Renovation without chemical formulas

Simple wall drying without vertical or horizontal barriers!

Water absorption of aerius dehumidifying plaster:
4-8 liters of water per square meter and hour (m^2/h)



**Salts and other minerals form a natural barrier - the wall
remains permanently dry!**

No destruction of the building fabric

- Sustainable, environmentally friendly and effective
- Long-term drainage without consequential damage



Application on: Brick, quarry stone, sand-lime brick, mixed masonry, tamped concrete, concrete, even on clay

Renovation without chemical formulas

- A proven method for over 60 years!
- Water is permanently removed from the masonry!



Salt-damaged outer plinth



After more than 15 years

Proven for decades!



Bavaria, Neuschwanstein Castle

Proven for decades!



Venice, Palazzo Grassi

Proven for decades!



St.Pölten/Vienna, Melk Abbey

Proven for decades!



Vienna, Kursalon Hübner

CONCLUSION - FOR MONUMENT PRESERVATION: THE SOLUTION!

Natural methods have proven their worth for thousands of years!

Renovate like the Romans !



Now also in Portugal

