

OPUS Dry

WHEN IS A WALL DEFINED AS DAMP?

- When its water content is **over 3% by weight** of the constituting materials
- When the wall is **not able to expel enough** of the water present in the constituting materials
- When significant amounts of salts are present **in a solution**, of varying origin and nature
- When recurrent adverse environmental conditions are present (**alternating "frost-thaw" cycles**)



Find out more at:
www.opus-dry.com

AZICHEM offers 6 practical lines, listed below, for wide-ranging construction and renovation needs.

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Mould, saline efflorescence, flaking or odorous paint and plaster, etc.



DAMP IN THE MASONRY THE TRIGGERS AND SOLUTIONS TO BE ADOPTED



IF YOU WANT TO SOLVE IT
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DAMP: THE MAIN CAUSES AND THE SOLUTIONS FOR PERMANENT ERADICATION

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Moisture assaults all sorts of buildings, not only causing visible damage **but also latent and/or invisible harm, with a slow decay of materials that often does not end** with plaster staining and flaking but can compromise the very structure of the construction.

Azichem offers solutions to bring an end to all moisture problems through the use of remedial materials and procedures that are effective in achieving well-being and comfort in damp buildings.



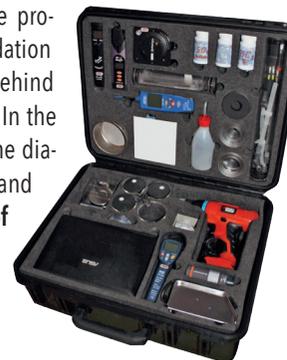
THE MOST OBVIOUS MOISTURE PROBLEMS

- **FLAKING PLASTER, COATINGS AND PAINTS**
- **CONDENSATION IN COLD AND POORLY-INSULATED WALLS**
- **PRESENCE OF BIODETERIOGENS (MOULD, MOSS, LICHENS) IN INTERNAL AND EXTERNAL WALLS**
- **ACCUMULATION AND CRYSTALLISATION OF SALTS** DUE TO CONTAMINANTS RISING FROM WET SOILS
- **WATER INFILTRATION WITH A RANGE OF REASONS**, DUE TO STRUCTURAL DECAY OR UNINTENTIONAL CAUSES
- **STRUCTURAL COMPROMISE** OF ELECTRICAL-CHEMICAL PROCESSES OF OXIDATION AND METAL CORROSION



THE DIAGNOSTICS

The correct approach to resolving moisture problems in buildings is to analyse any degradation in great detail and understand the causes behind the decay, be they individual or connected. In the case of a series of interconnected causes, the diagnostic investigation can be very complex and should thus be conducted **on the basis of a detailed study by experts in the field, with the help of professional tools.**



TECHNOLOGIES ADOPTED IN THE MAIN CAUSES OF DAMP

ATMOSPHERIC EVENTS	FILLERS, SEALING-IMPREGNATION STUCCO, PAINTS AND/OR PLASTERWORK
MOISTURE FROM CONDENSATION	MOULD TREATMENTS, THERMAL-INSULATING PLASTERS, THERMAL PAINTS
MOISTURE FROM CAPILLARY PENETRATION	CHEMICAL BARRIERS, MACROPOROUS DEHUMIDIFYING PLASTERS
INFILTRATION FROM UNDERGROUND	HYDRO-EXPANSIVE POLYURETHANE RESINS + INJECTION ACCESSORIES
INFILTRATION FROM BALCONIES	TRANSPARENT NON-FILM WATERPROOFING, ELASTOPLASTIC BITUMINOUS SEALANT, POLYUREA
MOISTURE FROM CONTACT WITH SOIL	HYDRO-EXPANSIVE RESINS, MOULD TREATMENTS, OSMOTIC MORTAR, PLASTERS AND THERMAL PAINTS, DEHUMIDIFICATION SYSTEMS
RESIDUAL CONSTRUCTION HUMIDITY	WAIT FOR FLOORING, WALLS AND OTHER ARTIFACTS TO DRY NATURALLY
ACCIDENTAL HUMIDITY	REPAIR THE FAULT AND RESTORE DAMAGED FINISHES

PRODUCTS AND SYSTEMS USED

- **Fillers, putties, sealants:**
SANAXIL FILLER - FIBROSTUCK - SANAZIEG- PROTECH FLEX
- **Anti-mould treatments:**
CONSILEX MUFFA CLEANER - CONSILEX MUFFA REMOVER
- **Osmotic cement mortar:**
OSMOCEM RD
- **Insulating/macroporous plasters, dehumidifiers:**
SANATIGH - CALEOSANA - SANAWARME - SANAREG
UNTERSANA - SANATIGH - CALEOSANA - SANASTOF
- **Stains/emulsions:**
CONSILEX ALTRAIN - CONSILEX ALTRAIN WV - SANAREG
- **Waterproofing:**
PROTECH BALCONY SYSTEM - OSMOCEM FLEX SYSTEM
SYNTECH POLIUREA SYSTEM
- **Painting and/or plaster-Thermal paints and/or plasters:**
SANAXIL P - PROTECH SIL P - PROTECH SIL I
SANAXIL P - THERM - PROTECH SIL P-THERM
SANAXIL I-THERM - PROTECH SIL I - THERM
- **Horizontal chemical barriers:**
CONSILEX BARRIER-A - CONSILEX INJECT MAUER
CONSILEX MAUER MONO - CONSILEX BARRIER CREAM
- **Hydro-expansive resins + injection accessories**
SYNTECH HAG FLEX - SYNTECH HAG ECO
SYNTECH HAG INIETTORE 120/170 - SYNTECH HAG CONNETTORE
SYNTECH HAG CLEANER - SYNTECH HAG POMPA AZ-PT/B