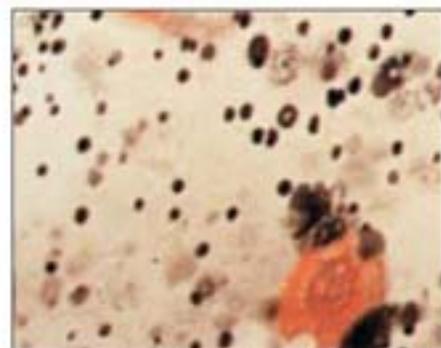


## HOME & CLEAN

The cause & treatment of black mould.



Typical Mould Growth



THE CLEAN END TO A DIRTY MOULD STORY!

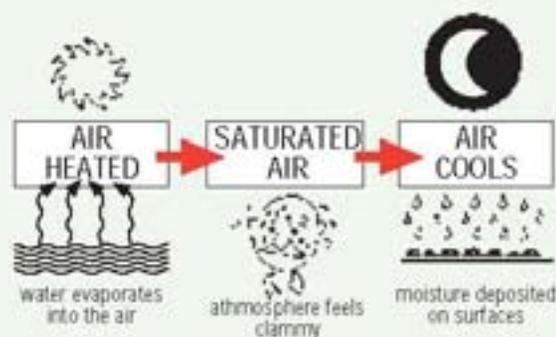
# BERGER

## WHY DOES THIS HAPPEN ?

Dampness in buildings is a serious problem. Water can enter buildings in a number of ways to cause superficial and structural damage. Conditions in a damp building are often unpleasant, uncomfortable and unhealthy. One of the most common causes of dampness in buildings is condensation which can often lead to the appearance of mould growth.

### CONDENSATION

This occurs when water is left on a cool surface by air which cannot hold any more moisture. Air contains water vapour. The higher the air temperature the more water the air can hold when air cannot absorb any more moisture it is saturated. If the temperature of the air is lowered the water vapour forms on surrounding surfaces. This is called condensation.

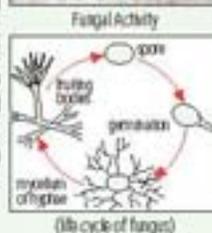


Typical moisture production within a five person dwelling

| Regular daily omission sources  | Moisture omission per day Kg or Litre |
|---------------------------------|---------------------------------------|
| Five persons asleep for 5hrs    | 1.5                                   |
| Two persons active for 16hrs    | 1.7                                   |
| Cooking                         | 3.0                                   |
| Bathing, dishwashing, etc.      | 1.0                                   |
| <b>Total regular sources</b>    | <b>7.2</b>                            |
| Washing clothes                 | 0.5                                   |
| Drying clothes                  | 5.0                                   |
| Paraffin heater (if used)       | 1.7                                   |
| <b>Total additional sources</b> | <b>7.2</b>                            |
| <b>Combined total</b>           | <b>14.4</b>                           |

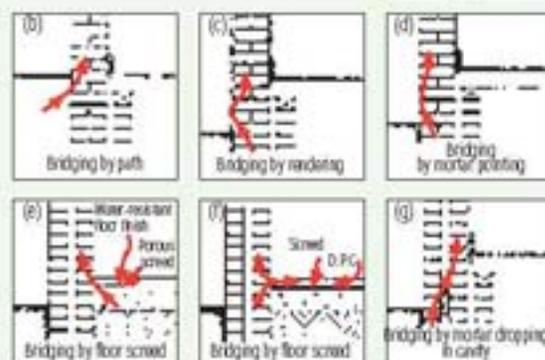
## MOULD GROWTH

With condensation taking place, soon after dampness forms giving way to an environment suitable for mould/moffa growth. Mould is a type of fungi. There are many types of moulds which grow mainly on damp internal building surfaces. It is sometimes found on external surfaces, when they start to develop they look like black, green, and occasionally purple, spots of dust. As the mould grows the spots join up until the surface is covered.



### THE SUBSTRATE:

The following diagrams highlight several ways in which rising damp can occur leading to mould growth and eventual breakdown of the paint system.



### PREPARATION

1. Prepare surfaces by removing non-washable loose matter, e.g., loosely held paint films, wallpaper, grease and dirt.
2. Make good any surface defects and rub down to a smooth finish.

### STERILISATION

3. Wash down with a proprietary brand of bleaching agent and allow to dry for 24 hours.
4. The following day brush off with a stiff brush and wipe off any loose matter. Apply a coat of Brolac Anti-fungicidal solution and allow to dry thoroughly.

### PRIMER/SEALER

5. Apply one coat of Dualcote over masonry surface allow to dry overnight.

### FINISH COAT

6. Apply two coats of Murisan Plastic Emulsion. Available in a wide range of colours.

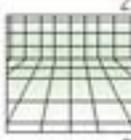
## PREVENTION IS BETTER THAN CURE!

In principal all condensation problems can be overcome by the use of adequate heating and ventilation.

1. Improved heating and ventilation with regard to any cold spots will usually improve the conditions. A modest but constant background heat is preferable, especially in cold weather, to irregular heating since this will help maintain a higher ambient temperature in the fabric of the building.



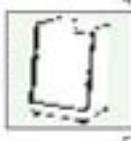
2. Cold walls can be insulated by affixing wall paper or polystyrene tiles
3. When cooking, bathing, washing and drying clothes keep the room shut and window open.



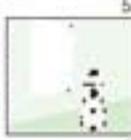
4. An alternative to heating/ventilation considerations in moisture control is the use of a Dehumidifier. Moisture is collected in a reservoir and the air reheated to an acceptable temperature before re-circulating it to the room.



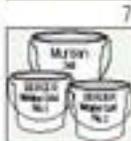
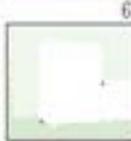
5. If you use a paraffin heater ensure some ventilation-open a window slightly. Remember, every litre of paraffin produces over one litre of water.



6. When there is severe condensation problems in rooms other than bathrooms or kitchens, allow warm air to circulate behind the furniture and curtains - move furniture away from walls to prevent build-up of stagnant air-pockets.



7. Mould growth may also be prevented to a great extent through the use of anti-fungicidal paints such as Murisan Plastic Emulsion, subsequent to sterilising the surfaces to be painted. The redecoration programme should be used to complement other remedial work or used as effective preventive treatment.



### SEALING EXTERNAL WALLS & ROOFS

It is imperative that exterior walls and roofs are coated with top quality durable paints such as Berger Weather Coat No. 2 (smooth) Berger Weather Coat No. 1 (finely textured) and Berger Roof Compound.

N.B. Beware of cheaper less durable imitation products!

## BERGER PRODUCT SPECIFICATIONS

| PRODUCT DATA                  | ANTI-MOFFA                             | EBOLAC DIALCOTE | MURBSAN         | W/C NO1         | W/C NO 2        | ROOF COMPOUND   |
|-------------------------------|--|-----------------|-----------------|-----------------|-----------------|-----------------|
| Surface Dry                   | 5 mins                                 | 15 mins         | 1 hr            | 1 hr            | 1 hr            | 1 hr            |
| Hand Dry                      | N/A                                    | 2 hrs           | 4 hrs           | 2 hrs           | 2 hrs           | 24 hrs          |
| Overcoat Time                 | 2 hrs                                  | 12 hrs          | 2 hrs           | 2 hrs           | 2 hrs           | 24 hrs          |
| Spread rate m <sup>2</sup> /L | Highly dependent on surface absorption | 4 - 6           | 12 - 14         | 6 - 8           | 8               | 2               |
| Colour Range                  | N/A                                    | White           | White & Colours | White & Colours | White & Colours | White & Colours |
| Wash up Thinner               | White Spirit                           | White Spirit    | Water           | Water           | Water           | Water           |

## BERGER POLICY

Berger's policy is always to produce a better product. We do not believe in compromising the product's ingredients for the sake of a lower price.



Buying Berger means benefiting from our extensive research into producing a better paint for the future.

Berger's commitment to quality is your assurance of a superior product, giving you the user, a paint with the perfect finish for every job at the right price.

Cheap is expensive!

# BERGER

# BERGER

*The Paint professionals*



BUSH TELEGRAPH, TUESDAY, OCTOBER 27, 1998

NEWS

## Berger GUILTY ...

- of terminating the formation and therefore causing germination of zygospore (mould/moffa)!
- of the disappearance of blotchy patches!
- of removing unpleasant stale smells!
- of change!

**Factories to be  
ed to prom**

*When your walls turn black and you see red!*