



MASTER CHEMICALS TECHNOLOGY

# MC- Silicon Seal W.B

## Silicone base water repellent

### Description:

**MC- Silicon Seal W.B** is a silicone base liquid water repellent for use on porous masonry surfaces .

### Uses:

- ♦ For water proofing porous masonry and stone building materials such as concrete , stucco , brick, limestone and sandstone .
- ♦ For use in providing a barrier against rising damp in conventional cavity walls where there is no damp-proof course or where the existing damp-proof course has failed .

### Advantages:

- ♦ It stops water at the surface before it gets into masonry.
- ♦ Deep penetration up to 10 mm.
- ♦ Effective for many years.
- ♦ Colorless, will not discolor surface.
- ♦ Limits the growth of moss.
- ♦ Helps to control efflorescence.
- ♦ Reduces sensitivity to freeze-thaw cycles.

### Technical Data :

Appearance	: Colorless solution
Solids content	: 8-10 % (by weight)
Specific gravity at 25 °C	: 1.03 – 1.04 g / cm <sup>3</sup>
Shelf life	: 2 years
Package	: 15 liters

### Application:

#### 1) Treatment of rising damp.

- ♦ Surface preparation :  
Drilling a series of holes at specified intervals in a course of bricks at the base of the wall .
- ♦ Method :  
**MC- Silicon Seal W.B** is injected under pressure into the holes to create a complete course saturated with water repellent barrier .
- ♦ Consumption rate :  
100 liters is sufficient to treat between 5 and 25 linear meters ( depends on wall thickness and type of material )

**2) Treatment of plaster.**

Spray or brush a solution of **MC- Silicon Seal W.B** until the plaster is saturated. one liter of this solution will cover on area of 1 to 5 m<sup>2</sup> .

**3) Treatment of roof tiles and bricks.**

This is done by soaking the tiles or bricks in a bath of 10 % concentration of **MC-Silicon Seal W.B** for between 1 and 5 min . (Depends on shape and material)

**Recommendations:**

1. Treatment of rising damp using **MC- Silicon Seal W.B** is completely within 2 – 3 days and its effectiveness up to 20 – 30 years .
2. It is recommended to treat every 4 – 5 years to assure maximum efficiency
3. **MC-Silicon Seal W.B** should be left to react for 3 – 7 days ( depends on materials and temperature )
4. **MC-Silicon Seal W.B** is an alkaline solution , care should be taken to avoid skin and eye contact , avoid splashes on metal and wooden components of wall .

For more details contact *Master Chemicals Technology* technical department

*Or visit our website [www.mc.com.eg](http://www.mc.com.eg)*